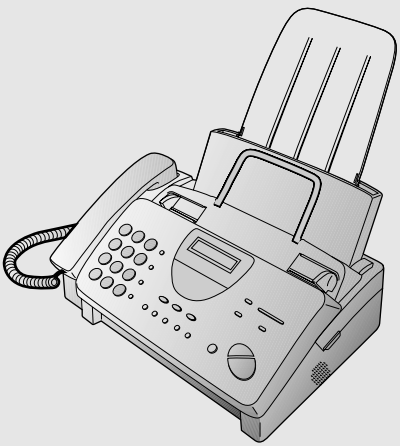
SHARP

MODEL

FO-780

FACSIMILE

OPERATION MANUAL



1. Installation
2. Sending Documents
3. Receiving Documents
4. Making Copies
5. Making Telephone Calls
6. Answering Machine Connection
7. Special Functions
8. Option Settings
9. Printing Reports and Lists
10. Maintenance
11. Troubleshooting

CAUTION:
For a complete electrical disconnection pull out the mains plug.

VORSICHT:
Zur vollständigen elektrischen Trennung vom Netz den Netzstecker ziehen.

ATTENTION:
Pour obtenir une mise hors-circuit totale, débrancher la prise de courant secteur.

AVISO:
Para una desconexión eléctrica completa, desenchufar el enchufe del tomacorriente.

VARNING:
För att helt koppla från strömmen, dra ut stickproppen.

ATTENZIONE:
Per un totale scollegamento elettrico rimuovere la spina di corrente.

"The mains outlet (socket-outlet) shall be installed near the equipment and shall be easily accessible."

"De aansluiting op de stroomvoorziening (stopkontakt) moet nabij het apparaat zijn aangebracht en moet gemakkelijk bereikbaar zijn."

Ett nätuttag (vägguttag) bör befinna sig nära utrustningen och vara lätt att tillgå.

La presa di corrente deve essere installata vicino all'apparecchio, e deve essere facilmente accessibile.

El tomacorriente principal se debe encontrar cerca del aparato y debe ser fácil de acceder a él.

"Die Netzsteckdose (Wandsteckdose) sollte in der Nähe des Geräts installiert werden und leicht zugänglich sein."

Stikkontakten skal være placeret nær faxen og være let tilgængelig.

Pääpistoke (pistokkeen poisto) tulee asentaa lähelle laitetta ja tulee olla helposti poistettavissa.

Stikkontakten må være montert i nærheten av utstyret og den må være lett tilgjengelig.

La prise de courant principale (d'alimentation) doit être située près de l'appareil et facilement accessible.

This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

Dieses Gerät entspricht den Anforderungen der EG-Richtlinien 89/336/EWG und 73/23/EWG mit Änderung 93/68/EWG.

Ce matériel répond aux exigences contenues dans les directives 89/336/CEE et 73/23/CEE modifiées par la directive 93/68/CEE.

Dit apparaat voldoet aan de eisen van de richtlijnen 89/336/EEG en 73/23/EEG, gewijzigd door 93/68/EEG.

Dette udstyr overholder kravene i direktiv nr. 89/336/EEC og 73/23/EEC med tillæg nr. 93/68/EEC.

Quest' apparecchio è conforme ai requisiti delle direttive 89/336/EEC e 73/23/EEC, come emendata dalla direttiva 93/68/EEC.

Η εγκατάσταση αυτή ανταποκρίνεται στις απαιτήσεις των οδηγιών της Ευρωπαϊκής Ενωσης 89/336/ΕΟΚ και 73/23/ΕΟΚ, όπως οι κανονισμοί αυτοί συμπληρώθηκαν από την οδηγία 93/68/ΕΟΚ.

Este equipamento obedece às exigências das directivas 89/336/CEE e 73/23/CEE, na sua versão corrigida pela directiva 93/68/CEE.

Este aparato satisface las exigencias de las Directivas 89/336/CEE y 73/23/CEE, modificadas por medio de la 93/68/CEE.

Denna utrustning uppfyller kraven enligt riktlinjerna 89/336/EEC och 73/23/EEC så som kompletteras av 93/68/EEC.

Dette produktet oppfyller betingelsene i direktivene 89/336/EEC og 73/23/EEC i endringen 93/68/EEC.

Tämä laite täyttää direktiivien 89/336/EEC ja 73/23/EEC vaatimukset, joita on muutettu direktiivillä 93/68/EEC.

89/336/EEC : EMC directive 73/23/EEC : Low voltade directive 93/68/EEC : CE Mark regulation

Introduction

Important safety information

- Do not disassemble this machine or attempt any procedures not described in this manual. Refer all servicing to qualified service personnel.

- This machine must only be connected to a 220-230 V, 50 Hz, earthed (2-prong) outlet. Connecting it to any other kind of outlet may damage the machine.

- Do not install or use the machine near water, or when you are wet. Take care not to spill any liquids on the machine.

- Unplug the machine from the telephone socket and then the power outlet and consult a qualified service representative if any of the following situations occur:
  - Liquid has been spilled into the machine or the machine has been exposed to rain or water.
  - The machine produces odors, smoke, or unusual noises.
  - The power cord is frayed or damaged.
  - The machine has been dropped or the housing damaged.

- Do not allow anything to rest on the power cord, and do not install the machine where people may walk on the power cord.

- Never insert objects of any kind into slots or openings on the machine. This could create a risk of fire or electric shock. If an object falls into the machine that you cannot safely remove, unplug the machine and consult a qualified service representative.

- Do not place this machine on an unstable cart, stand or table. The machine could be seriously damaged if it falls.

- Never install telephone wiring during a lightning storm.

- Never install telephone sockets in wet locations unless the socket is specifically designed for wet locations.

- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

- Use caution when installing or modifying telephone lines.

- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

- Do not use a telephone to report a gas leak in the vicinity of the leak.

- The socket-outlet must be installed near the equipment and must be easily accessible.

Important:

- This facsimile machine is only designed for use in the country where approved.

Table of Contents

1 Installation 5

Unpacking Checklist 5
A Look at the Operation Panel 6
Connections 8
Loading the Imaging Film 14
Loading Printing Paper 19
Entering Your Name and Fax Number 21
Setting the Date and Time 24
Selecting the Reception Mode 27
Volume Adjustment 29

2 Sending Documents 31

Transmittable Documents 31
Loading the Document 33
Resolution and Contrast 35
Sending a Fax by Normal Dialling 37
Sending a Fax by Automatic Dialling 39

3 Receiving Documents 48

Using TEL/FAX Mode 48
Using FAX Mode 49
Using A.M. Mode 50
Using TEL Mode 51
Substitute Reception to Memory 55

4 Making Copies 56

5 Making Telephone Calls 59

6 Answering Machine Connection 63

Preparations 63
Using the Connection 64
Optional A.M. Connection Settings 66

7 Special Functions 68

Broadcasting 68
Cover Sheet 70
Batch Page Numbering 73
Blocking Reception of Unwanted Faxes 75
Sending Documents From Memory 77
Polling (Requesting a Fax Transmission) 79
Timer Operations 82

8 Option Settings 84

9 Printing Reports and Lists 93

10 Maintenance 97

11 Troubleshooting 101

Problems and Solutions 101
Messages and Signals 106
Clearing Paper Jams 109

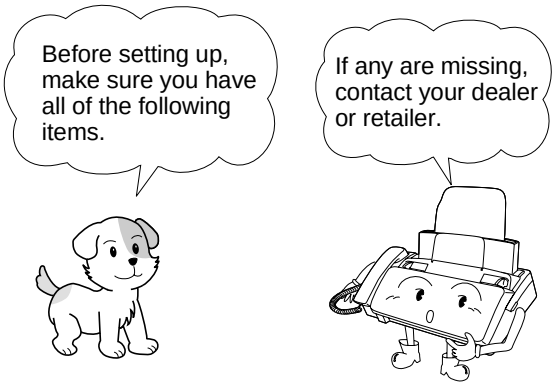
Specifications 112

Quick Reference Guide 114

Chapter 1

Installation

Unpacking Checklist



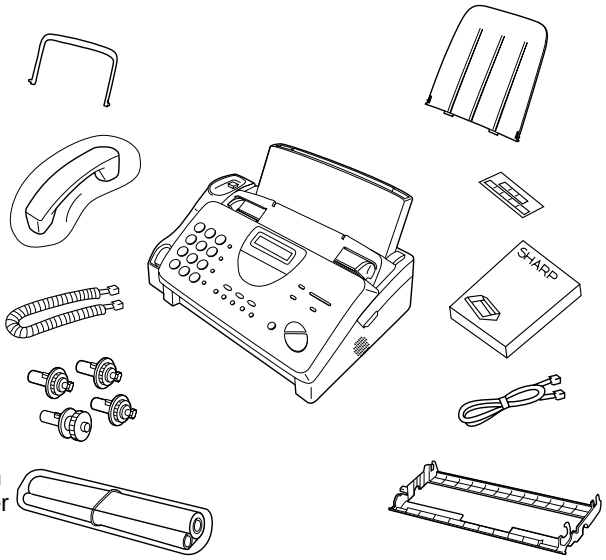
Original document support

Handset

Handset lead

Gears (4)

Imaging film (initial starter roll)



Paper tray extension

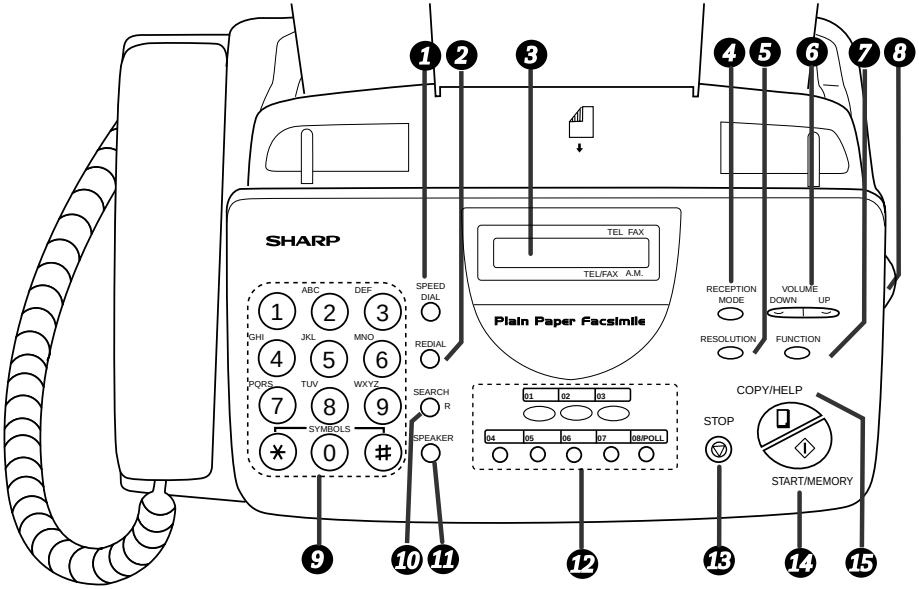
Rapid key labels

Operation manual

Telephone line cord

Imaging film cartridge

A Look at the Operation Panel



1 **SPEED DIAL key**
Press this key to dial a 2-digit Speed Dial number.

2 **REDIAL key**
Press this key to automatically redial the last number dialled.

3 **Display**
This displays messages and prompts during operation and programming.

4 **RECEPTION MODE key**
Press this key to select the reception mode. An arrow in the display will point to the currently selected reception mode.

5 **RESOLUTION key**
Press this key to adjust the resolution and contrast before sending or copying a document.

6 VOLUME keys
Press these keys to adjust the volume of the speaker when the **SPEAKER** key has been pressed, or the volume of the ringer at all other times.

7 FUNCTION key
Press this key to select various special functions.

8 Panel release
Grasp this finger hold and pull toward you to open the operation panel.

9 Number keys
Use these keys to dial numbers, and enter numbers and letters during number/name storing procedures.

10 SEARCH/R key
Press this key to search for an automatic dialling number, or, if you are on a P.B.X. extension, press this key to transfer a call.

SPEAKER key
11 Press this key to hear the line and fax tones through the speaker before sending a document, or dialling a voice number.
Note: **This is not a speakerphone**. You must pick up the handset to talk with the other party.

Rapid Dial Keys
12 Press one of these keys to dial a fax or voice number automatically. (Note that you must attach the Rapid Key labels.)

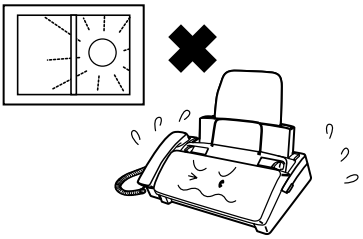
STOP key
13 Press this key to cancel operations before they are completed.

START/MEMORY key
14 Press this key to send or receive a document, or to scan a document into memory before sending it.

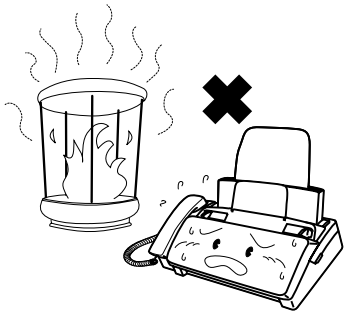
COPY/HELP key
15 When a document is in the feeder, press this key to make a copy. At any other time, press this key to print out the Help List, a quick reference guide to the operation of your fax.

Connections

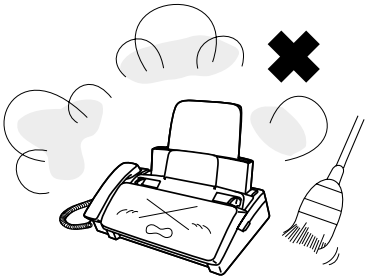
Points to keep in mind when setting up



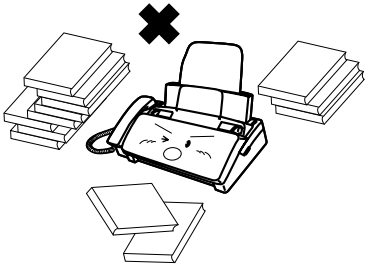
Do not place the machine in direct sunlight.



Do not place the machine near heaters or air conditioners.



Keep dust away from the machine.



Keep the area around the machine clear.

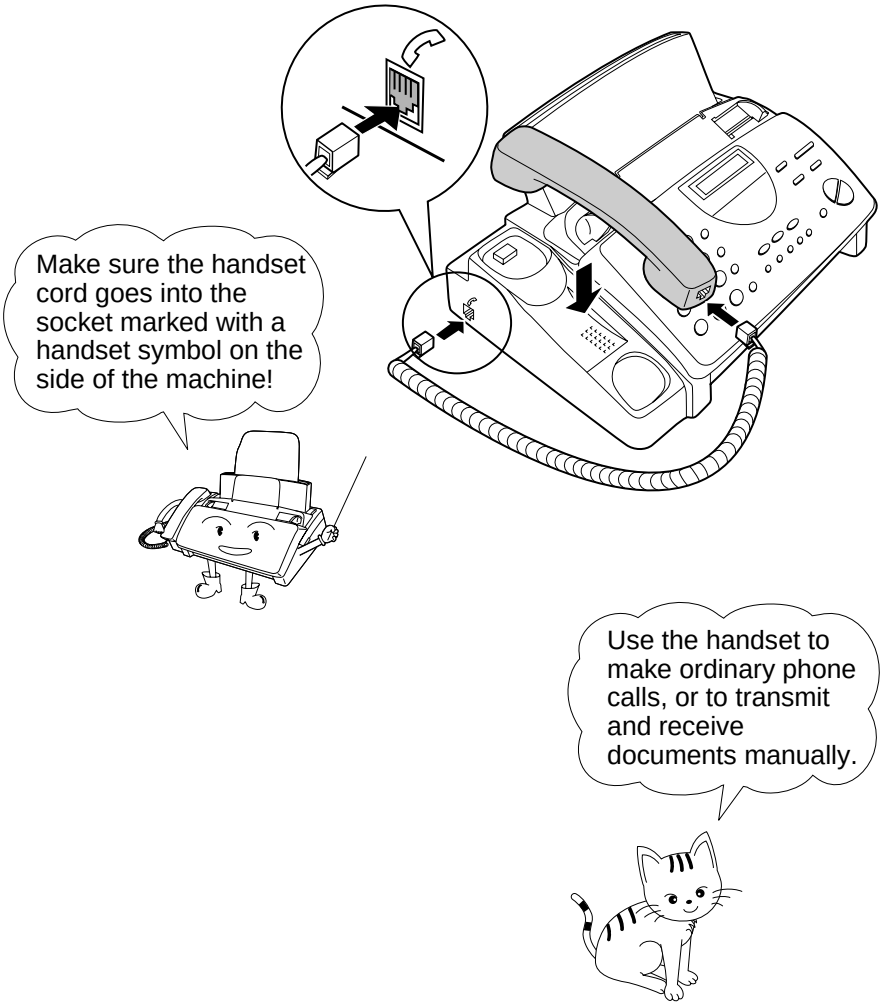
About condensation

If the machine is moved from a cold to a warm place, it is possible that condensation may form on the scanning glass, preventing proper scanning of documents for transmission. To remove the condensation, turn on the power and wait approximately two hours before using the machine.

Handset

Connect the handset as shown and place it on the handset rest.

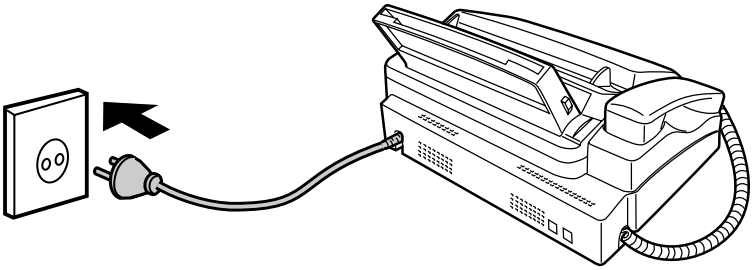
- The ends of the handset lead are identical, so they will go into either socket.

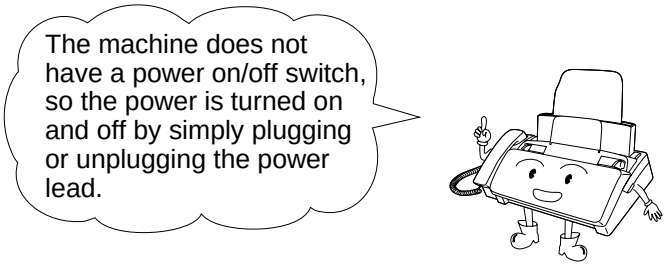

Make sure the handset cord goes into the socket marked with a handset symbol on the side of the machine!
Use the handset to make ordinary phone calls, or to transmit and receive documents manually.

Power lead

Plug the power lead into a 220 - 230 V, 50 Hz, earthed (2-prong) AC outlet.

- **Caution:** The mains outlet (socket outlet) should be installed near the equipment and be easily accessable.

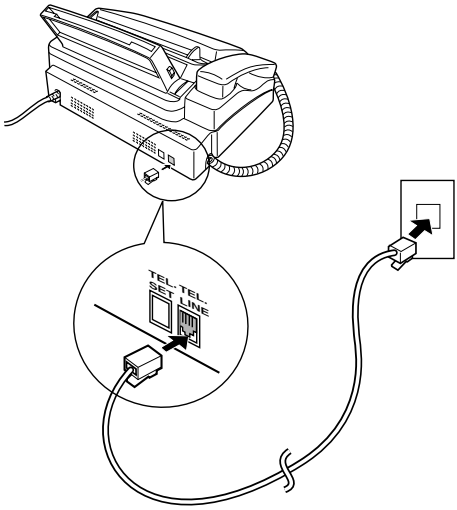



The machine does not have a power on/off switch, so the power is turned on and off by simply plugging or unplugging the power lead.

Note: If your area experiences a high incidence of lightning or power surges, we recommend that you install surge protectors for the power and telephone lines. Surge protectors can be purchased from your dealer or at most telephone specialty stores.

Telephone line cord

Insert one end of the line cord into the socket on the back of the machine marked **TEL. LINE**. Insert the other end into a wall telephone socket.



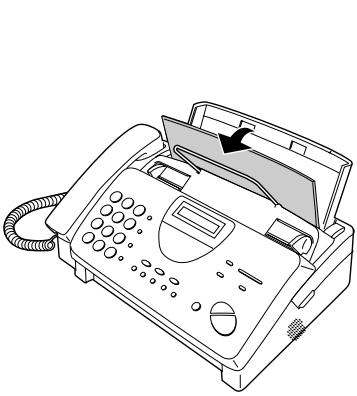
Comments:

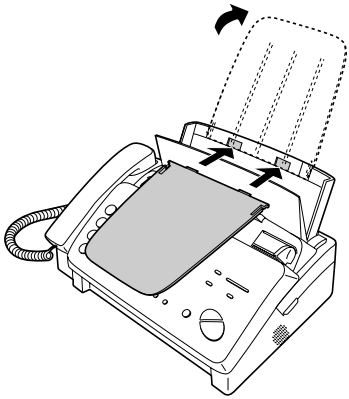
- In **Germany**, the machine is supplied with a N-coded line cable, enabling you to use an extension (cordless) telephone on the same line. If you don't have the standard NFN-outlet of TELEKOM, you can purchase an NFN-adapter at your retailer.
- Your fax is set for tone dialling. If you are on a pulse only dial line, you must set the fax for pulse dialling by changing Option Setting 7. This procedure is described in Chapter 8, *Option Settings*.
- If you are connecting the machine to a PBX, you will need to make appropriate settings for Option Setting 14. See Chapter 8, *Option Settings*.
- If you intend to use a computer fax modem on the same phone line, you must reset Option Setting 15 (Fax Signal Receive) to OFF in order to prevent transmission and reception errors. This procedure is described in Chapter 8, *Option Settings*.

Trays

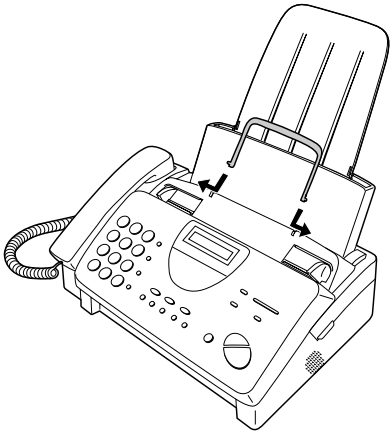
Attach the paper tray extension.

- Pull the paper release plate forward. Insert the paper tray extension horizontally into the notches in the paper tray. Rotate the paper tray extension up until it snaps into place.





Attach the original document support.



Note: The original document support has a top side and a bottom side. If you cannot insert the tabs on the support into the holes, turn the support over.

Other devices

If desired, you can use an answering machine or an extension telephone on the same line as your fax. The answering machine or extension telephone can be connected directly to the **TEL. SET** socket on your fax (note that this socket is not available in some countries), or to another wall socket.

- Connecting an answering machine to the fax or a wall socket will allow you to receive both voice and fax messages on the same line while you are out. For details on using this feature, see Chapter 6.

- You can use an extension phone connected to the fax or a wall socket to make and receive calls like any normal telephone. For details on receiving faxes from the extension phone, see Chapter 3.

Germany:

The **TEL. SET** socket is not available on the fax. We recommend that you plug the answering machine line cable into the right connector of the TAE wall outlet, a (e.g.: cordless) telephone into the middle connector and fax line cord into the left connector.

Switzerland, Austria:

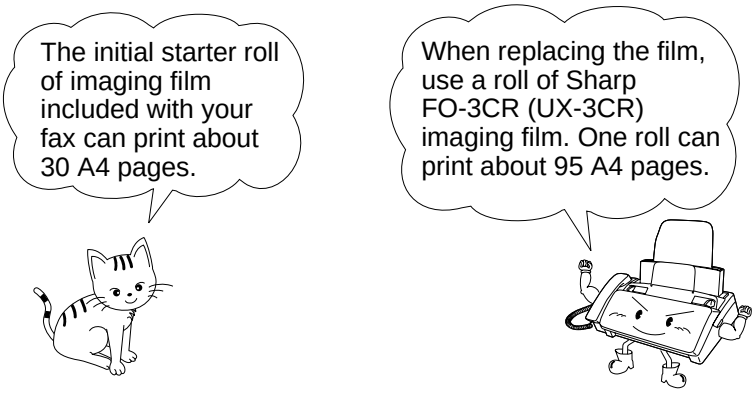
An extension phone cannot be used. An answering machine can be used if it is connected to a wall socket (the **TEL. SET** socket is not available).

France:

The **TEL. SET** socket is not available on the fax. To connect an answering machine or extension telephone to a wall socket, a special cable is required. For more details, consult your dealer.

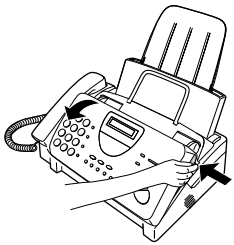
Loading the Imaging Film

Your fax uses a roll of imaging film to create printed text and images. The print head in the fax applies heat to the imaging film to transfer ink to the paper. Follow the steps below to load or replace the film.

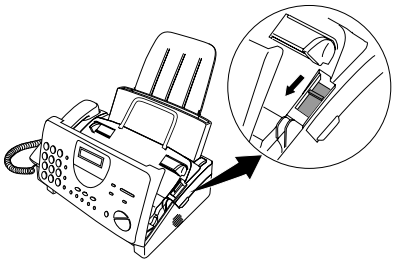

The initial starter roll of imaging film included with your fax can print about 30 A4 pages.
When replacing the film, use a roll of Sharp FO-3CR (UX-3CR) imaging film. One roll can print about 95 A4 pages.

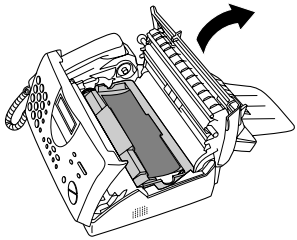
Note: If there is paper in the paper tray, pull the paper release plate forward and remove the paper before loading the imaging film.

1 Open the operation panel by grasping the finger hold and pulling up.



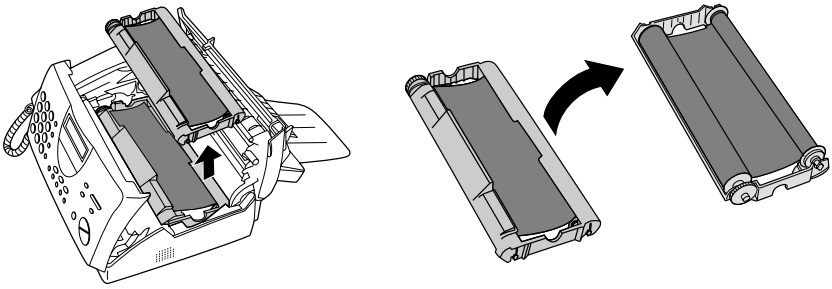
2 Pull the green release on the right side of the machine forward, and open the print compartment cover.



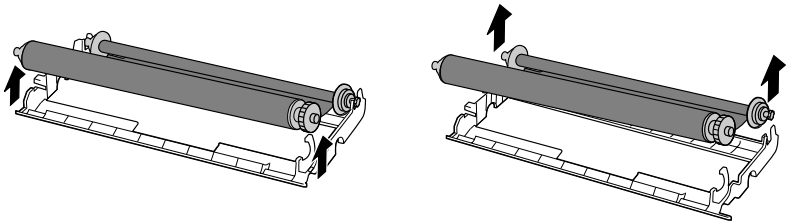


If you are installing the imaging film for the first time, go to Step 6.

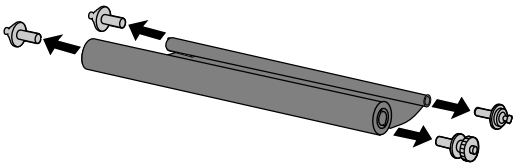
3 Remove the imaging film cartridge from the print compartment (grasp the handle at the front of the cartridge) and turn it over.



4 Remove the used film from the cartridge.

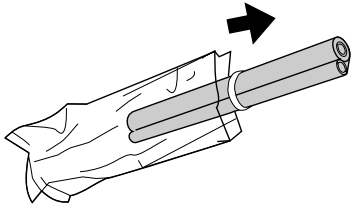


5 Remove the four green gears from the used film.
DO NOT DISCARD THE FOUR GREEN GEARS!



6 Remove the new roll of imaging film from its packaging.

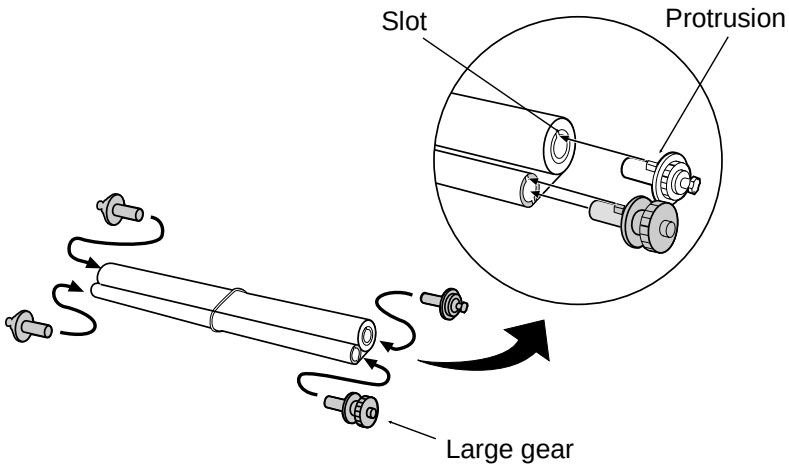
- Do not yet remove the band that holds the rolls together.



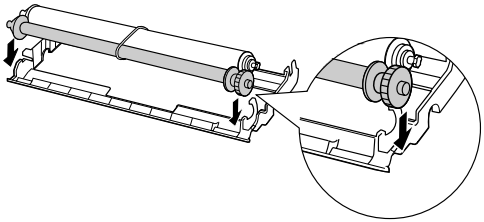
7 Insert the large gear into the green end of the empty spool. Make sure the two protrusions on the large gear fit firmly into the slots in the end of the spool.

Insert the remaining three gears into the spools, making sure the protrusion on each gear fits firmly into one of the slots in the end of each spool.

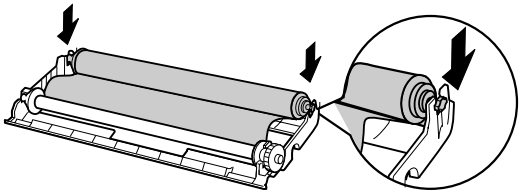
- If needed, pull the spools apart slightly to allow the gears to fit (the band will stretch).



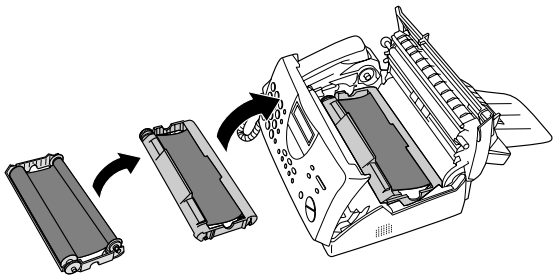
8 Insert the large gear into the large holder on the imaging film cartridge (make sure it clicks into place), and then insert the small gear on the other end of the spool into its holder.



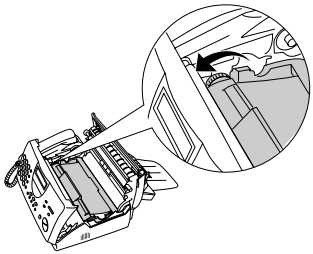
9 Cut the band that holds the two spools together. Unroll the film slightly and insert the small gears into their holders.



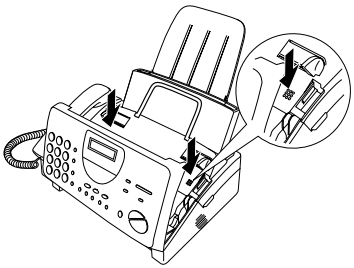
10 Turn the cartridge over, grasp the handle, and insert the cartridge into the print compartment.

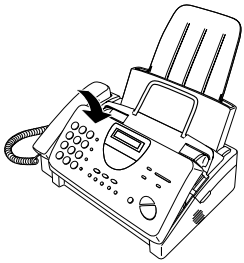


11 Rotate the large gear toward you until the film is taut.



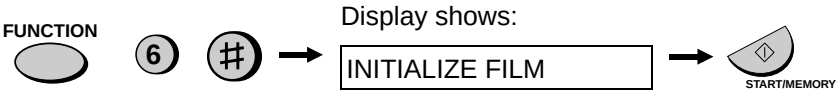
12 Close the print compartment cover (press down on both sides to make sure it clicks into place), and then close the operation panel.





13 Load paper in the paper tray and then press the following keys to initialize the film.

Note: Paper must be loaded before the film can be initialized. To load paper, see the following section, *Loading the Printing Paper.*



When to replace the imaging film

Replace the imaging film when the display shows:

FILM END

Use the following imaging film, which is available from your dealer or retailer:

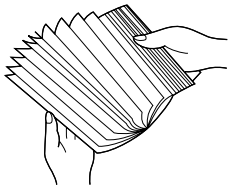
Sharp FO-3CR (UX-3CR) Imaging Film

Loading Printing Paper

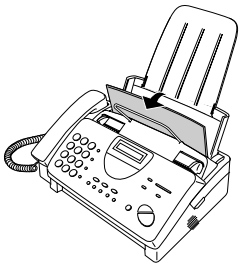
You can load A4 size paper in the paper tray. The maximum number of sheets is:

- **60** for paper from 60 to 75 g/m^2
- **50** for paper from 75 to 90 g/m^2

1 Fan the paper, and then tap the edge against a flat surface to even the stack.

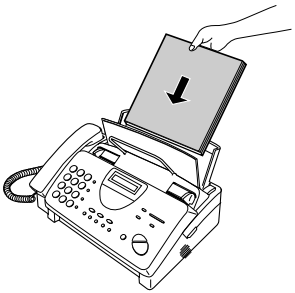


2 Pull the paper release plate toward you.



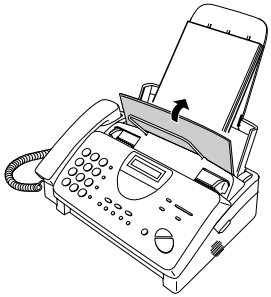
3 Insert the stack of paper into the tray, **print side down**.

- If paper remains in the tray, take it out and combine it into a single stack with the new paper before adding the new paper.



Be sure to load the paper so that printing takes place on the **print** side of the paper. Printing on the reverse side will result in poor print quality.

4 Push the paper release plate back down.



If the paper release plate is not pushed down, paper feed errors will result.

Note: When receiving faxes or copying documents, do not allow a large number of pages to accumulate in the output tray. This may obstruct the outlet and cause paper jams.

5 Your fax has been set at the factory to print at normal contrast. Depending on the type of paper you have loaded, you may find that you obtain better print quality by changing the setting to LIGHT. Press these keys:

FUNCTION 6 ✳ ✳

The display will show: PRINT CONTRAST

Press **1** to select NORMAL or **2** to select LIGHT.

NORMAL LIGHT

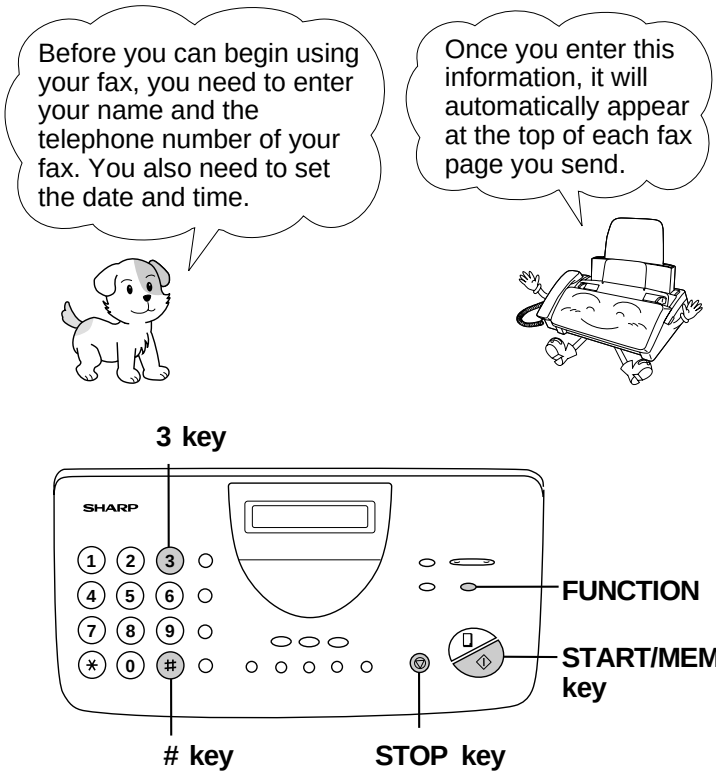
1 or 2

The display will show: COPY CUT-OFF

Press the **STOP** key to return to the date and time display.

STOP

Entering Your Name and Fax Number


Before you can begin using your fax, you need to enter your name and the telephone number of your fax. You also need to set the date and time.
Once you enter this information, it will automatically appear at the top of each fax page you send.
3 key
SHARP
1 2 3
4 5 6
7 8 9
* 0 #
FUNCTION key
START/MEMORY key
key
STOP key

Note: The imaging film and printing paper must be loaded before your name and fax number can be entered.

1 Press these keys: FUNCTION → 3

The display will show: ENTRY MODE

2 Press the # key twice: # #

The display will show: OWN NUMBER SET

3 Press the **START/MEMORY** key.

The display will show: ENTER FAX #

4 Enter your fax number by pressing the number keys. Up to 20 digits can be entered.

- To insert a space between digits, press the **#** key. To insert a "+", press the ✱ key.
- If you make a mistake, press the **SEARCH/R** key to move the cursor back to the mistake and then enter the correct number. The new number will replace the old number.

Example: 5 5 5 # 1 2 3 4

Cursor: A dark square mark in the display that indicates where a number or letter will be entered.

5 Press the **START/MEMORY** key to enter the fax number in memory.

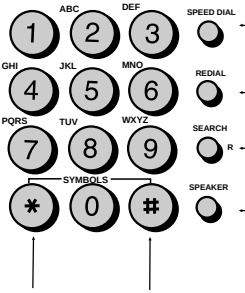
The display will show: ENTER YOUR NAME

6 Enter your name by pressing the number keys as shown in the following chart. Up to 24 characters can be entered.

- To enter two letters in succession that require the same key, press the **SPEAKER** key after entering the first letter to advance the cursor.

Example: SHARP = 7 7 7 7 7 4 4 4 2 2 7 7 7 7 SPEAKER 7 7

A = 2 2	J = 5 5	S = 7 7 7 7 7
B = 2 2 2	K = 5 5 5	T = 8 8
C = 2 2 2 2	L = 5 5 5 5	U = 8 8 8
D = 3 3	M = 6 6	V = 8 8 8 8
E = 3 3 3	N = 6 6 6	W = 9 9
F = 3 3 3 3	O = 6 6 6 6	X = 9 9 9
G = 4 4	P = 7 7	Y = 9 9 9 9
H = 4 4 4	Q = 7 7 7	Z = 9 9 9 9 9
I = 4 4 4 4	R = 7 7 7 7	SPACE = 1 1



Press this key to delete the letter highlighted by the cursor.

Press this key to change case.

Press this key to move the cursor to the left.

Press this key to move the cursor to the right.

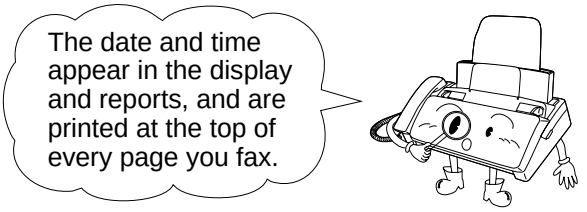
Press either key repeatedly to select one of the following symbols:
./!"#$%&'()✱+,-:;<=>?@[¥]^_`{|}→←

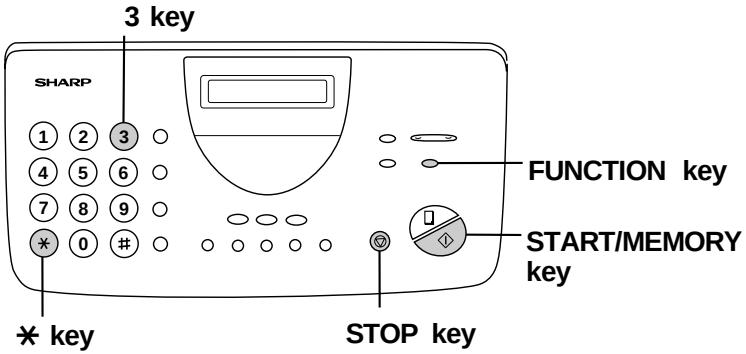
7 Press the **START/MEMORY** key to save your name in memory.

The display will show: SECURITY SELECT

8 Press the **STOP** key to return to the date and time display.

Setting the Date and Time

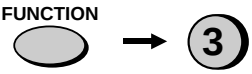




Note: The imaging film and printing paper must be loaded before the date and time can be set.

---

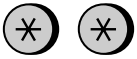
1 Press these keys:



The display will show: ENTRY MODE

---

2 Press the * key two times.



The display will show: DATE & TIME SET

Note: The fax is Year 2000 compliant.

3 Press the **START/MEMORY** key.

- The currently set date will appear in the display.

4 Enter a two-digit number for the day ("01" to "31").

- To correct a mistake, press the **SPEED DIAL** key to move the cursor back to the mistake, and then enter the correct number.

Example: the 5th (0) (5)

5 Enter a two-digit number for the month ("01" for January, "02" for February, "12" for December, etc.).

Example: January (0) (1)

6 Enter the year (four digits).

Example: 1999 (1) (9) (9) (9)

7 Enter a two-digit number for the hour ("00" to "23") and a two-digit number for the minute ("00" to "59").

Example: 9:25 (0) (9) (2) (5)

8 Press the **START/MEMORY** key to start the clock.

The display will show: JUNK FAX # MODE

9 Press the **STOP** key to return to the date and time display.

Note: The time setting will change automatically at the beginning and end of summertime.

Selecting the Reception Mode

Your fax machine has four modes for receiving incoming calls and faxes:

TEL mode:
This mode is the most convenient for receiving phone calls. Faxes can also be received; however, all calls must first be answered by picking up the fax's handset or an extension phone connected to the same line.

FAX mode:
Select this mode when you only want to receive faxes on your line. The fax machine will automatically answer all calls and receive incoming faxes.

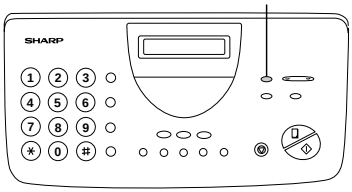
TEL/FAX mode:
This mode is convenient for receiving both faxes and voice calls. When a call comes in, the fax will detect whether it is a voice call (including manually dialled fax transmissions), or an automatically dialled fax. If it is a voice call, the fax will make a special ringing sound to alert you to answer. If it is an automatically dialled fax transmission, reception will begin automatically.

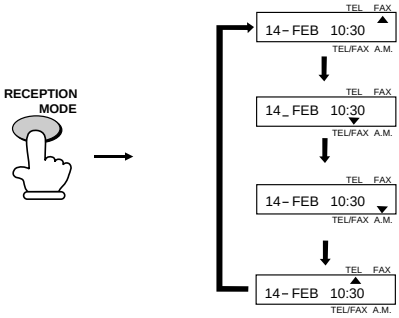
A.M. mode:
Use this mode only if you have connected an answering machine to the fax (see Chapter 6). Select this mode when you go out to receive voice messages in your answering machine and faxes on your fax machine.

Setting the reception mode

Press the **RECEPTION MODE** key until the arrow in the display points to the desired mode.

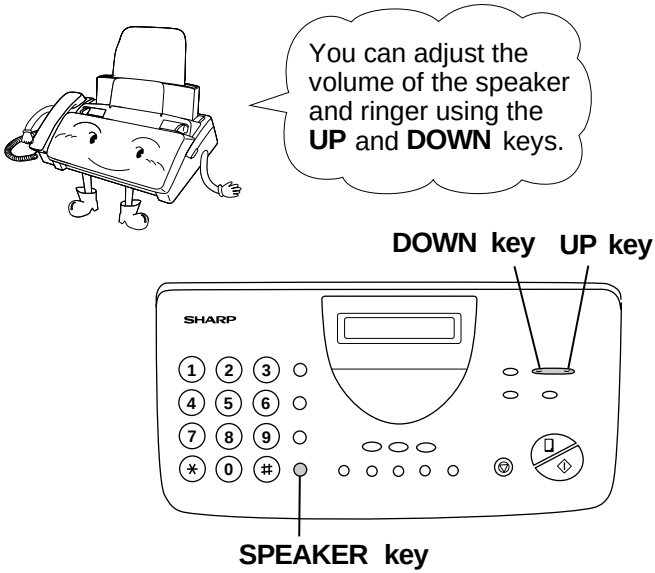
RECEPTION MODE key





For more information on receiving faxes in TEL, TEL/FAX and FAX modes, see Chapter 3, *Receiving Documents*. For more information on using A.M. mode, see Chapter 6.

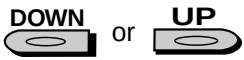
Volume Adjustment



Speaker

1 Press the **SPEAKER** key.

2 Press the **UP** or **DOWN** key.



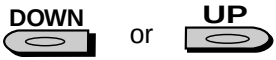
Display:

SPEAKER: HIGH
↕
SPEAKER: MIDDLE
↕
SPEAKER: LOW

3 When the display shows the desired volume level, press the **SPEAKER** key to turn off the speaker.

Ringer

1 Press the **UP** or **DOWN** key. (Make sure the **SPEAKER** key has not been pressed and the handset is not lifted.)



- The ringer will ring once at the selected level, then the date and time will reappear in the display.

Display:

RINGER: HIGH
↕
RINGER: MIDDLE
↕
RINGER: LOW
↕
RINGER:OFF OK ?

2 If you selected RINGER:OFF OK ?, press the **START/MEMORY** key.

Note: When the reception mode is set to TEL, the ringer will still ring at Low if turned off.

Chapter 2 Sending Documents

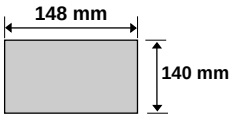
Transmittable Documents

Size and weight

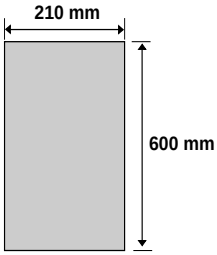
The size and weight of documents that you can load in the document feeder depend on whether you load one page at a time or several pages at once.

Loading one page at a time:

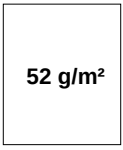
Minimum size



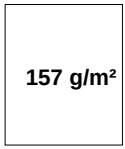
Maximum size



Minimum weight

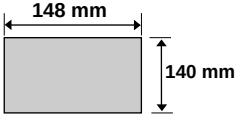


Maximum weight

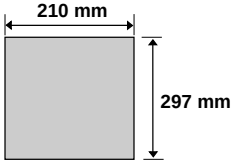


Loading several pages at once:

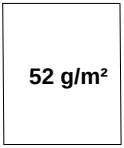
Minimum size



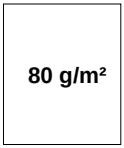
Maximum size



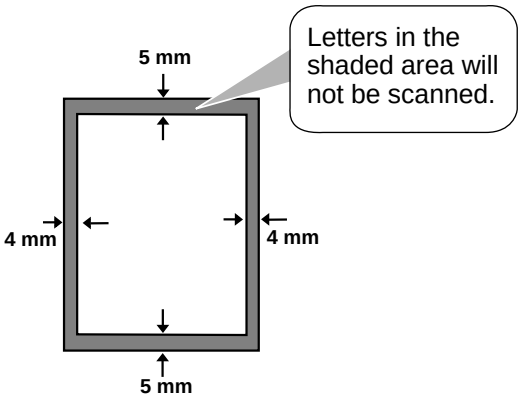
Minimum weight



Maximum weight



Note: Letters or graphics on the edges of a document will not be scanned.



Other restrictions

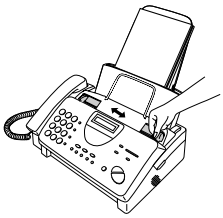
- The scanner cannot recognise yellow, greenish yellow, or light blue ink.
- Ink, glue, and correcting fluid on documents must be dry before they pass through the document feeder.
- All clips, staples, and pins must be removed from documents before loading in the feeder. If these are not removed, they may damage the machine.
- Documents which are patched, taped, torn, smaller than the minimum size, carbon backed, or easily smudged, or have a slippery coated suface should be photocopied, and the copy loaded in the feeder.

Loading the Document

Up to 10 pages can be placed in the feeder at one time. The pages will automatically feed into the machine starting from the bottom page.

- ♦ If you need to send or copy more than 10 pages, place the additional pages gently and carefully in the feeder just before the last page is scanned. Do not try to force them in, as this may cause double-feeding or jamming.
- ♦ If your document consists of several large or thick pages which must be loaded one at a time, insert each page into the feeder as the previous page is being scanned. Insert gently to prevent double-feeding.

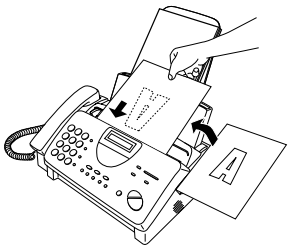
1 Adjust the document guides to the width of your document.



2 Place the document face down and push it gently into the document feeder. The top edge of the document should enter the machine first.

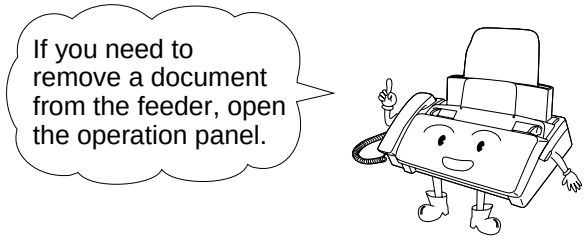
- The feeder will draw the leading edge of the document into the machine. The display will show:

READY TO SEND



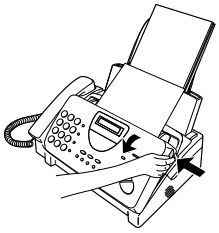
3 Adjust the resolution and/or contrast setting (if desired) as explained in the section *Resolution and Contrast*, then dial the receiving machine as explained in *Sending a Fax by Normal Dialling*.

Removing a document from the feeder

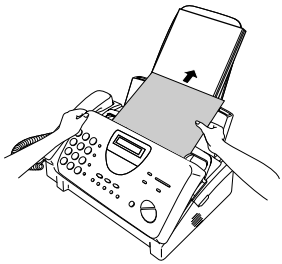


Important:
Do not try to remove a document without opening the operation panel. This may damage the feeder mechanism.

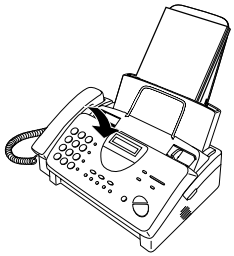
1 Open the operation panel by grasping the finger hold and pulling up.



2 Remove the document.

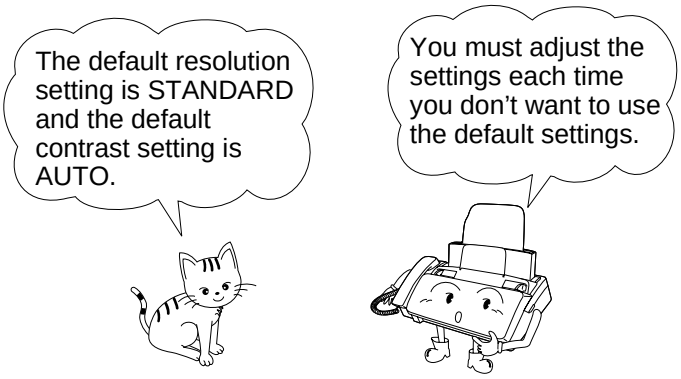


3 Close the operation panel, making sure it clicks into place.



Resolution and Contrast

If desired, you can adjust the resolution and contrast before sending a document.


The default resolution setting is STANDARD and the default contrast setting is AUTO.
You must adjust the settings each time you don't want to use the default settings.

Note: The resolution and contrast settings are only effective for transmitting a document. They are not effective for receiving a document.

Resolution settings

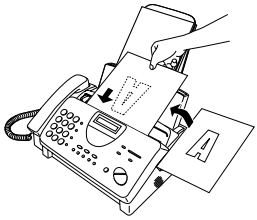
STANDARD:	Use STANDARD for ordinary documents. This setting gives you the fastest and most economical transmission.
FINE:	Use FINE for documents containing small letters or fine drawings.
SUPER FINE:	Use SUPER FINE for documents containing very small letters or very fine drawings.
HALF TONE:	Use HALF TONE for photographs and illustrations. The original will be reproduced in 64 shades of grey.

Contrast settings

AUTO	Use AUTO for normal documents.
DARK	Use DARK for faint documents.

1 Load the document(s).

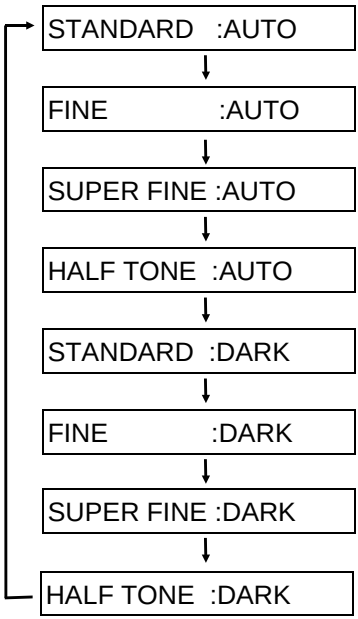
- The document must be loaded before the resolution and contrast can be adjusted.



2 Press the **RESOLUTION** key one or more times until the desired resolution and contrast settings appear in the display.

- The first time you move through the list of resolution settings, the contrast setting AUTO will appear next to each resolution setting. The second time you move through the list, the contrast setting DARK will appear.

Display:



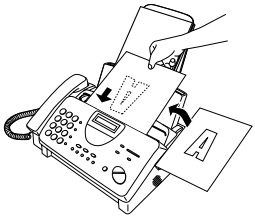
Note: In order to transmit in FINE or SUPER FINE resolution, the receiving fax machine must also have that resolution. If it doesn't, your machine will automatically step down to the next best available setting.

Sending a Fax by Normal Dialling

With Normal Dialling, you pick up the handset (or press the **SPEAKER** key) and dial by pressing the number keys.

- If a person answers, you can talk with them through the handset before sending the fax. (If you pressed the **SPEAKER** key, you must pick up the handset to talk.)
- Normal Dialling allows you to listen to the line and make sure the other fax machine is responding.

1 Load the document(s).

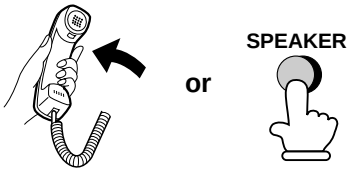


The display will show:

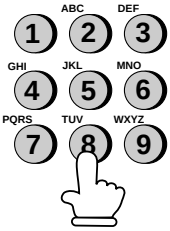
READY TO SEND

- Set the resolution and/or contrast if desired.

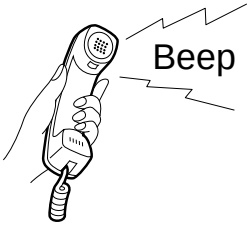
2 Pick up the handset or press the **SPEAKER** key. Listen for the dial tone.



3 Dial the number of the receiving machine by pressing the numeric keys.

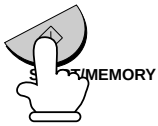


4 Wait for the connection. Depending on the setting of the receiving machine, you will either hear a facsimile reception tone or the other person will answer.



- If the other party answers, (lift the handset if the **SPEAKER** key was pressed) ask them to press their **START** key. This causes the receiving machine to issue a reception tone.

5 When you hear the reception tone, press the **START/MEMORY** key. Replace the handset if you used it.



- When transmission is completed, the fax will beep once.

Using the REDIAL key

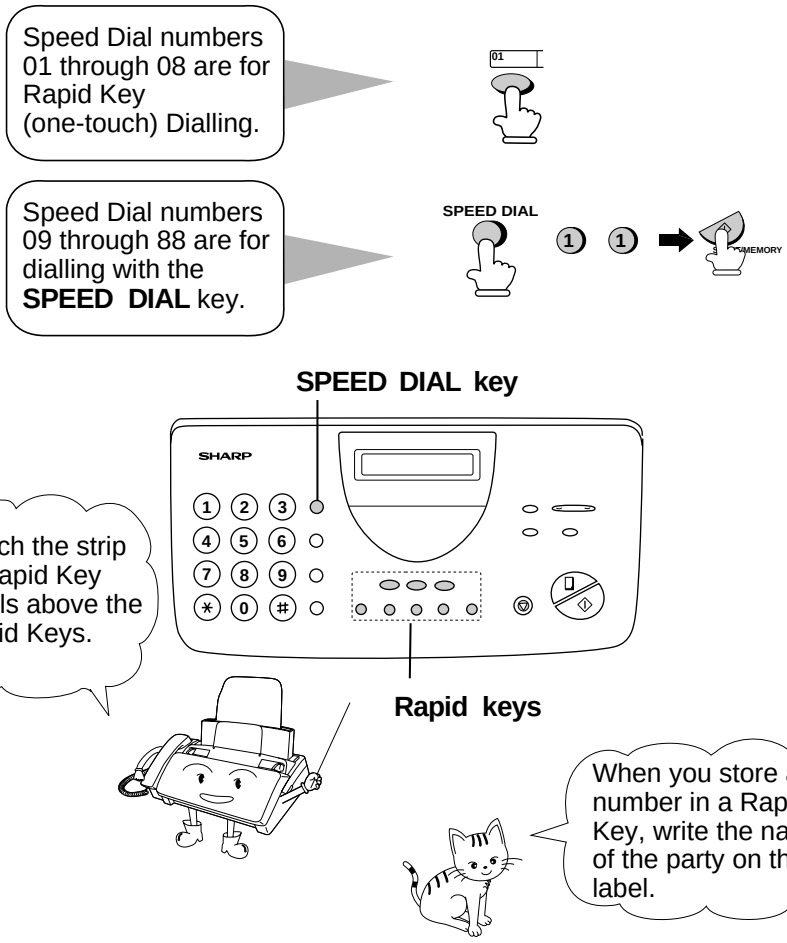
You can press the **REDIAL** key to redial the last number dialled. To send a document, proceed from Step 4 of Normal Dialling. Note that the speaker will be automatically activated when you press the **REDIAL** key.

Facsimile reception tone: This is a pronounced, high-pitched tone that the receiving machine sends to the transmitting machine to indicate that it is ready to receive.

Sending a Fax by Automatic Dialling

You can dial a fax or telephone number by simply pressing a Rapid Key, or by pressing the **SPEED DIAL** key and entering a two-digit number.

- To use Automatic Dialling, you must first store the full fax or telephone number in your fax machine.
- When you store a fax or telephone number, you select a two-digit Speed Dial number for it. 88 Speed Dial numbers are available.


Speed Dial numbers 01 through 08 are for Rapid Key (one-touch) Dialling.
01
Speed Dial numbers 09 through 88 are for dialling with the **SPEED DIAL** key.
SPEED DIAL
1
1
MEMORY
SPEED DIAL key
SHARP
1 2 3
4 5 6
7 8 9
* 0 #
Attach the strip of Rapid Key labels above the Rapid Keys.
Rapid keys
When you store a number in a Rapid Key, write the name of the party on the label.

Storing fax and telephone numbers for Automatic Dialling

1 Press these keys: FUNCTION 3 #

The display will show: FAX/TEL # MODE

2 Press **1** to select SET. 1

The display will show: FAX/TEL # SET

↓ ↑

ENTER SPEED #

3 Enter a two-digit Speed Dial number by pressing the number keys (01 to 08 for Rapid Key Dialling, 09 to 88 for Speed Dialling).

0 1 (Example)

4 Enter the fax or voice number by pressing the number keys (max. of 32 digits including pauses).

- Press the **SPEED DIAL** key to clear a mistake.
- If a pause is required between any of the digits to access a special service or an outside line, press the **REDIAL** key. The pause will appear as a hyphen. Several pauses can be entered in a row.
- If you are on a PBX, **do not** enter the access code for the public line. If the number is within your PBX, enter an R before the number.
- Press the **SEARCH/R** key to enter a space between digits.

5 Press the **START/MEMORY** key.

6 Enter the name of the party by pressing the number keys as shown in the chart below. Up to 20 characters can be entered.

- If you don't want to enter a name, skip this step.
- To enter two letters in succession that require the same key, press the **SPEAKER** key after entering the first letter to advance the cursor.

Example: SHARP = 7 7 7 7 7 4 4 4 2 2 7 7 7 7 SPEAKER 7 7

A = 2 2	J = 5 5	S = 7 7 7 7 7
B = 2 2 2	K = 5 5 5	T = 8 8
C = 2 2 2 2	L = 5 5 5 5	U = 8 8 8
D = 3 3	M = 6 6	V = 8 8 8 8
E = 3 3 3	N = 6 6 6	W = 9 9
F = 3 3 3 3	O = 6 6 6 6	X = 9 9 9
G = 4 4	P = 7 7	Y = 9 9 9 9
H = 4 4 4	Q = 7 7 7	Z = 9 9 9 9 9
I = 4 4 4 4	R = 7 7 7 7	SPACE = 1 1

7 Press the **START/MEMORY** key.

8 Return to Step 3 to store another number, or press **STOP** to exit. If the number will be used for Rapid Key Dialling, you can write the name on the appropriate Rapid Key label.

Step 3 or STOP

Storing area codes and access codes

You can also store an area code or access code in a Rapid Key or Speed Dial number. To use this number to dial, see *Chain Dialing* in Chapter 5, *Making Telephone Calls*.

Note: An area code or access code stored in a Rapid Key or Speed Dial number can only be used if the handset is lifted or the **SPEAKER** key pressed before dialling.

Clearing numbers

1 Press these keys: FUNCTION 3 #

The display will show: FAX/TEL # MODE

2 Press **2** to select CLEAR. 2

3 Enter the Speed Dial number that you want to clear by pressing the number keys.

0 1 (Example)

4 Press the **START/MEMORY** key.

5 Return to Step 3 to clear another number, or press **STOP** to exit.

Step 3 or STOP

Making changes

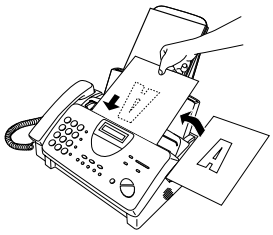
To make changes in a number previously stored, repeat the storing procedure. Select the Speed Dial number for which you want to make changes in Step 3, and then change the number and/or name when they appear in the display (Steps 4 and 6, respectively).

- **A lithium battery keeps automatic dialling numbers in memory**
  The machine uses a lithium battery to keep automatic dialling numbers and other programmed data in memory when the power is turned off. Battery power is consumed primarily when the power is off. With the power kept continuously off, the life of the battery is about 5 years. If the battery dies, have your dealer or retailer replace it. Do not try to replace it yourself.

Rapid Key Dialling

If the number you want to dial has been stored for Automatic Dialling as a Speed Dial number from 01 to 08, you can dial it by pressing the corresponding Rapid Key.

1 Load the document(s).



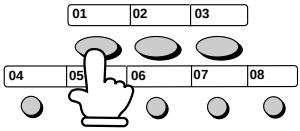
The display will show:

```
READY TO SEND
```

- Set the resolution and/or contrast if desired.

2 Press the Rapid Key corresponding to the desired Speed Dial number.

- The name of the receiving party will appear in the display. If no name was stored, the fax number will appear. (If the name or number is incorrect, press the **STOP** key.)
- The document will be automatically transmitted once the connection is made.

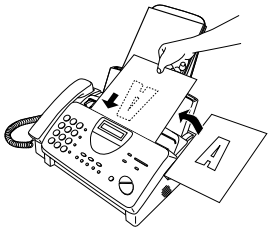


Example: To dial Speed Dial number 01, press Rapid Key 01.

Speed Dialling

Speed Dialling can be used to dial any number that has been stored for Automatic Dialling.

1 Load the document(s).



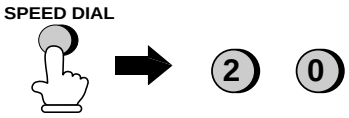
The display will show:

READY TO SEND

- Set the resolution and/or contrast if desired.

2 Press the **SPEED DIAL** key and then enter the two digits of the Speed Dial number by pressing the number keys.

- To enter numbers 1 through 9, first enter 0 and then the number.



(Example)

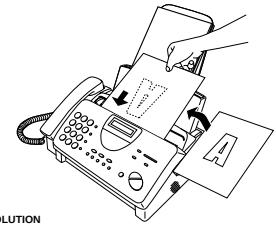
3 Check the display. If the name or number shown is correct, press the **START/MEMORY** key. (If not, press the **STOP** key and then repeat Step 2.)

Direct Keypad Dialling

You can also enter a full number with the number keys and then press the **START/MEMORY** key to begin dialling. You can use this method to dial a full number when you don't need to speak to the other party before faxing.

Note: Direct Keypad Dialling cannot be used to dial a number within the same PBX as your fax machine. To send a document to a fax machine in your PBX, use Normal Dialling.

1 Load the document(s).



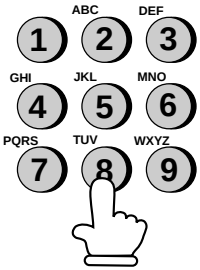
The display will show:

READY TO SEND

- Set the resolution and/or contrast if desired.

2 Enter the number of the receiving machine by pressing the numeric keys.

- If a pause is required between any of the digits to access a special service or an outside line, press the **REDIAL** key. The pause will appear as a hyphen. Several pauses can be entered in a row.



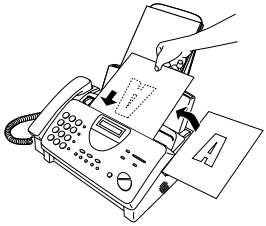
3 Check the display. If the number of the receiving machine shown is correct, press the **START/MEMORY** key.

- If it is not correct, press the **STOP** key to backspace and clear one digit at a time, and then re-enter the correct digit(s).

Using the SEARCH/R key

If you don't remember the Rapid Key or Speed Dial number in which you have stored a particular fax number, you can search for the number by following the steps below. Once you have found the number, you can dial it and transmit the loaded document by simply pressing the **START/MEMORY** key.

1 Load the document(s).



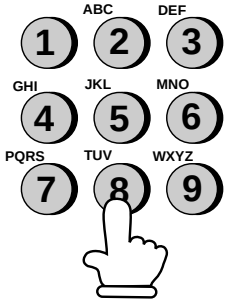
The display will show:

READY TO SEND

- Set the resolution and/or contrast if desired.

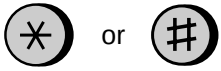
2 Press the **SEARCH/R** key.

3 Enter the first letter of the stored name by pressing the appropriate number key (the key which corresponds to the required letter) one or more times until the letter appears in the display. If the name begins with a special character or number, press **1**.



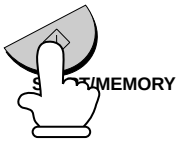
- If you don't remember the first letter, go to Step 4 (you will scroll through the list from the beginning).
- If a name wasn't stored for the number, press **0**. This will cause numbers, not names, to appear when you scroll.

4 Press the # key or the ✱ key to scroll through the names (numbers if you pressed **0**). Stop when the desired name appears in the display.



- If no names have been stored that begin with the entered letter, you will scroll from the next name, in alphabetical order, in the list. If no names/numbers have been stored at all, NO DATA will appear.

5 Press the **START/MEMORY** key. The document will be automatically transmitted once the connection is made.



Automatic redialling

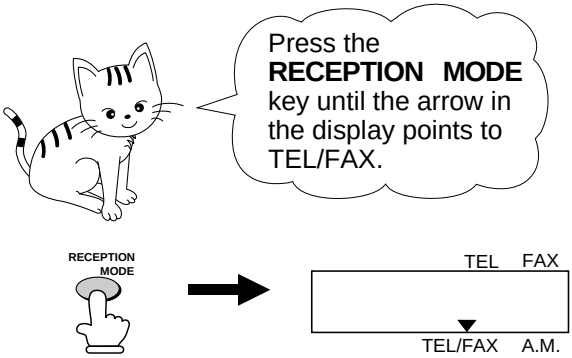
If you use automatic dialling (including Direct Keypad Dialling) and the line is busy, the machine will automatically redial the number. Up to 2 redialling attempts will be made at intervals of 2.5 minutes (Poland : 3.5 minutes).

♦ To stop automatic redialling, press the **STOP** key.

Chapter 3

Receiving Documents

Using TEL/FAX Mode



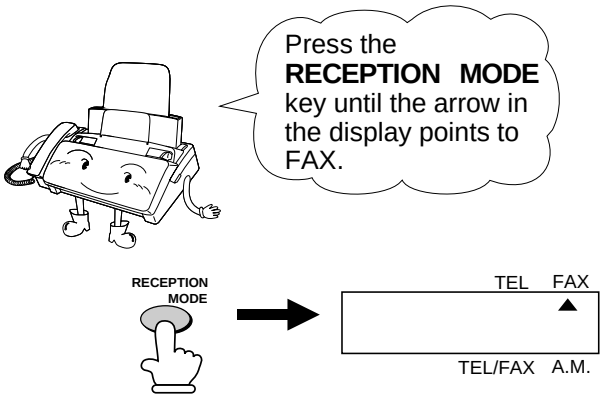
When the reception mode is set to TEL/FAX, your fax automatically answers all calls on 1 or 2 rings (**Note:** In some countries, the lowest possible setting is **2**). After answering, your fax monitors the line for about 5 seconds to see if a fax tone is being sent.

- If your fax detects a fax tone (this means that the call is an automatically dialled fax), it will automatically begin reception of the incoming document.
- If your fax doesn't detect a fax tone (this means that the call is a voice call or manually dialled fax), it will make a ringing sound (called pseudo ringing) for 15 seconds to alert you to answer. If you don't answer within this time, your fax will send a fax tone to the other machine to allow the calling party to send a fax manually if they desire.

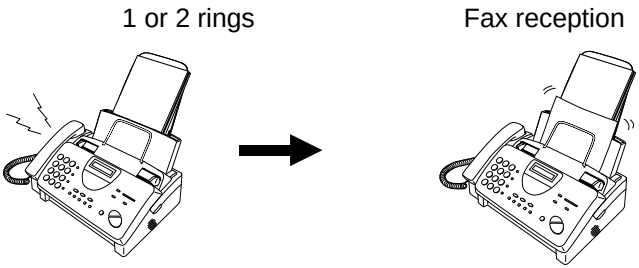
Comments:

- Only the fax will alert you to voice calls or manually dialled faxes by pseudo ringing. An extension phone connected to the same line will not ring after the connection has been made.
- The duration of pseudo ringing can be adjusted with Option Setting 8. See Chapter 8, Option Settings (**Note:** This setting is not available in some countries).

Using FAX Mode

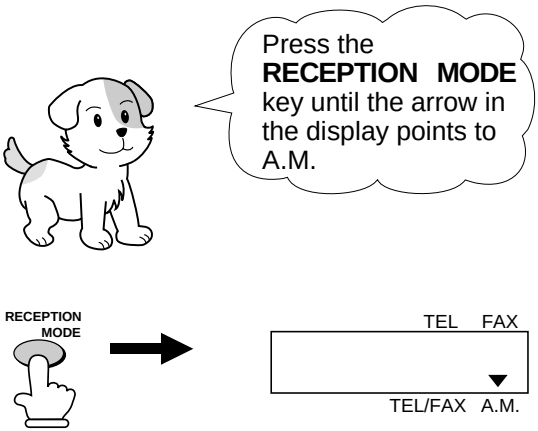


When the reception mode is set to FAX, the machine will automatically answer all calls on 1 or 2 rings and receive incoming faxes.



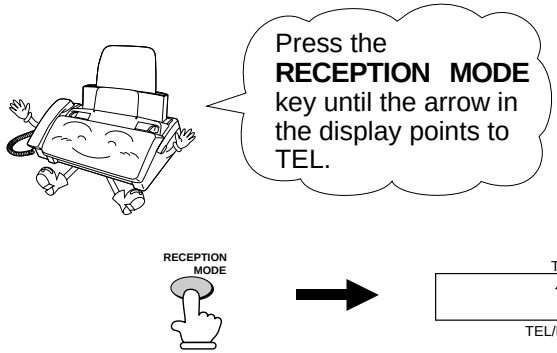
- You can change the number of rings on which the machine answers calls by changing Option Setting 3. (See Chapter 8, *Option Settings*.)
- If you pick up the handset before the machine answers, you can talk to the other party and/or receive a document as described in *Using TEL mode*.

Using A.M. Mode



In A.M. mode, your fax will automatically receive voice and fax messages if you have connected an answering machine to the fax machine. See Chapter 6 for more details.

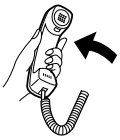
Using TEL Mode



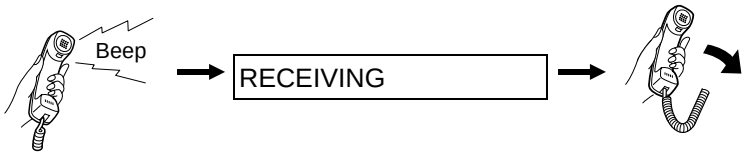
When the reception mode is set to TEL, you must answer all calls using the fax machine's handset or an extension phone connected to the same line.

Answering with the fax's handset

1 Pick up the handset when the machine rings.



2 If you hear a fax tone, wait until the display shows RECEIVING and then replace the handset.



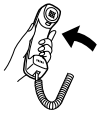
Note: If you have set Option Setting 15 (Fax signal receive) to NO, press the **START/MEMORY** key to begin reception.

3 If the other party first talks and then wants to send a fax, press the **START/MEMORY** key after speaking (press your **START/MEMORY** key before the sender presses their Start key).

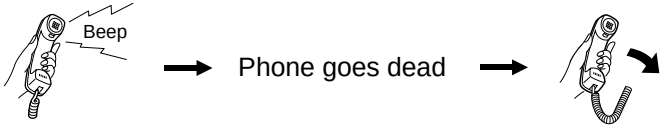
- Make sure that the display shows RECEIVING, then replace the handset.

Answering with an extension phone

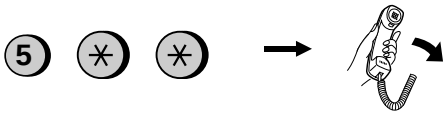
1 Answer the extension phone when it rings.



2 If you hear a fax tone when you answer an extension phone, wait until your fax answers (the extension phone will go dead), and then hang up.



3 If the fax doesn't respond, or if the other party first talks to you and then wants to send a fax, press **5**, ✱, and ✱ on the extension phone (only on a tone dial phone). This signals the fax to begin reception. Hang up.



Comments:

- Your fax will not accept the signal to begin reception (**5✱✱**) if a document is loaded in its feeder.
- If you have set Option Setting 15 to NO and hear a fax tone when you answer the extension phone, you must press *5*, ✱, and ✱ if you are on a tone dial phone, or walk over to the fax, pick up the handset, and press the **START/MEMORY** key if you are on a pulse dial only phone.
- The code used to activate fax reception from a tone dial extension phone (*5✱✱*) can be changed if desired. See Option Setting 4 (Tel/Fax Remote Number) in Chapter 8, *Option Settings*.

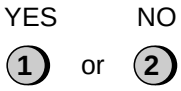
2 in 1 Print

To save paper, you can have the size of your incoming faxes reduced by 55%. This will allow you to receive, for example, a 2-page document on one page (note that this may not be possible if the document pages are longer than your printing paper). To turn on this function, follow the steps below.

1 Press these keys:

The display will show: 2 IN 1 PRINT

2 Press **1** to turn on the function, or **2** to turn it off.



The display will show: PRINT CONTRAST

3 Press the **STOP** key.

Reception Ratio

The fax has been set at the factory to automatically reduce the size of received documents to fit the size of the printing paper. This ensures that data on the edges of the document are not cut off. If desired, you can turn this function off and have received documents printed at full size.

Note: If a document is too long to fit on the printing paper, the remainder will be printed on a second page. In this case, the cut-off point may occur in the middle of a line.

Note: Automatic reduction may not be possible if the received document is too large, contains too many fine graphics or images, or is sent at high resolution. In this case, the remainder of the document will be printed on a second page.

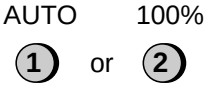
---

1 Press these keys:

The display will show: RECEPTION RATIO

---

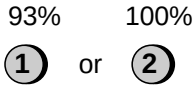
2 Press **1** to turn automatic reduction on, or **2** to turn it off.



If you selected AUTO, go to Step 3. If you selected 100%, go to Step 4.

---

3 If you selected AUTO, select the reception ratio to be used in the event that the memory becomes full (automatic reduction is not possible when the memory is full). Press **1** for 93% or **2** for 100%.



4 Press the **STOP** key.

Substitute Reception to Memory

In situations where printing is not possible, such as when your fax runs out of paper, the imaging film needs replacement, or the paper jams, incoming faxes will be received to memory.

When you have received a document in memory, FAX RX IN MEMORY will appear in the display, alternating with OUT OF PAPER, FILM END, or PAPER JAMMED. When you add paper, replace the imaging film, or clear the jam, the stored documents will automatically print out.

- ♦ If you received documents in memory because the fax ran out of paper, be sure to add paper which is the same size as the paper previously used. If not, the document print-out size may not match the size of the printing paper.

Caution!

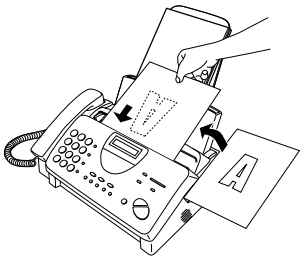
- When documents are stored in memory, do not turn the power off. This will erase all of the contents.
- If documents received in memory are lost due to a power failure or other interruption of the power supply, a CLEAR REPORT will be printed out when the power is restored. This gives information about the receptions lost, including the fax numbers of the transmitting machines if they are available.

Chapter 4

Making Copies

Your fax can also be used to make copies. Single and multiple copies (up to 99 per original) can be made, enabling your fax to double as a convenience office copier.

1 Load the document(s) face down. (Maximum of 10 pages.)



The display will show:

```
READY TO SEND
```

- Set the resolution and/or contrast if desired. (The default setting for copying is S-FINE.)

2 Press the **COPY/HELP** key.

The display will show:

```
COPY MODE
    ↓
1: MULTI COPY
    ↓
2: SORT COPY
    ↓
START: COPY
```

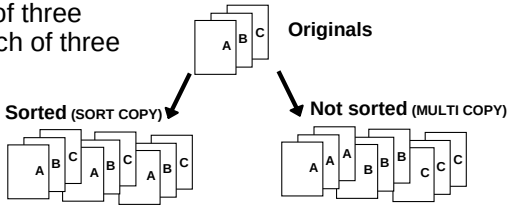
- ♦ If you are only making one copy of the original (or of each original) and don't want to make a reduction or enlargement setting, press the **START/MEMORY** key twice. Copying will begin.
- ♦ If you are only making one copy of the original (or of each original) and want to make an enlargement or reduction setting, press the **START/MEMORY** key and go to Step 5.

3 Press **1** (MULTI COPY) if you do not want the copies sorted. Press **2** (SORT COPY) if you want the copies sorted.

MULTI SORT

(1) or (2)

Example of three copies each of three originals



The display will show: ENTER # (01-99)

4 If you are making one copy per original, press the **START/MEMORY** key. If you are making multiple copies per original, enter the number of copies per original (if the number is less than 10, enter a "0" before the number).

(0) (9)

Example: Nine copies per original

The display will show: COPY RATIO

5 Set the amount of reduction or enlargement by entering a number from **1** to **5** as shown below (or press the **START/MEMORY** key to automatically select 100%). Copying will begin.

1: AUTO (automatic size adjustment to match the size of the printing paper)
2: 50%
3: 100% (no reduction or enlargement)
4: 125%
5: 135%

(2)

Example: 50%

Note: If you place a large number of originals in the feeder, the memory may become full before all of them can be scanned (MEMORY IS FULL will appear in the display). If this happens, press the **START/MEMORY** key to copy the originals which have been scanned, and then repeat the copy procedure for the remaining originals, including the original which was being scanned when the memory became full.

Copy Cut-off

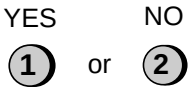
When making a copy of a document that is longer than the printing paper, use the copy cut-off setting to select whether the remaining part of the document will be cut off or printed on a second page. The intial setting is YES (cut off the remainder). To change the setting, follow the steps below.

1 Press these keys:

The display will show:

COPY CUT-OFF

2 Press **1** to set copy cut-off to YES (the remaining part of the document will not be printed), or **2** to set copy cut-off to NO (the remaining part will be printed on a second page).



The display will show:

INITIALIZE FILM

3 Press the **STOP** key to return to the date and time display.

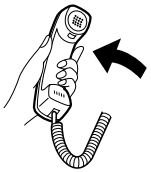
Chapter 5

Making Telephone Calls

Your fax can be used like a regular telephone to make and receive voice calls.

♦ To make or receive a phone call, the power must be on.

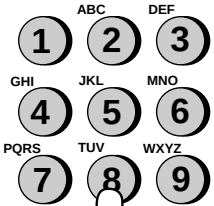
1 Pick up the handset or press the **SPEAKER** key. Listen for the dial tone.



or

2 Dial the number using one of the following methods:

- **Normal Dialling:** Enter the full telephone number with the numeric keys.
- **Rapid Key Dialling:** Press the appropriate Rapid Key.
- **Speed Dialling**: Press the **SPEED DIAL** key, and enter the 2-digit Speed Dial number with the numeric keys.



3 Speak with the other party when they answer.

- If you pressed the **SPEAKER** key, pick up the handset to talk.

Comments:

- While the handset of the fax is lifted (off hook), an extension phone connected directly to the fax cannot be used to speak with the other party.
- The fax may interrupt a voice call received on an extension phone if the reception mode is set to A.M. and there is a period of silence during the conversation. If you are on a tone dial phone, you can prevent this by pressing any three keys on the phone immediately after you answer. (Note: Do not enter the code to activate fax reception: 5, ✱, ✱.)

Chain Dialling

After lifting the handset, you can dial any combination of Normal Dialling, Rapid Key Dialling and Speed Dialling numbers. For example, if you have stored an area code or an access code for a special service in a Rapid Key, you can press the Rapid Key for that area code or access code, then dial the remainder of the number by pressing a Rapid Key, pressing number keys, or pressing the **SPEED DIAL** key and entering a two-digit Speed Dial number.

Using the SEARCH/R key

You can use the **SEARCH/R** key to search for a Rapid Key or Speed Dial number. First search for the number as described in *Using the SEARCH/R key* in *Sending a Fax by Automatic Dialling* in Chapter 2, then pick up the handset or press the **SPEAKER** key. The number will be dialled automatically (do not press the **START/MEMORY** key).

Redial

The last number called can be redialled by pressing the **REDIAL** key (it is not necessary to pick up the handset or press the **SPEAKER** key). When the other party answers, pick up the handset to talk.

Issuing tone signals

If you are on a pulse dial line, you can use the "✱" key to temporarily issue tone signals when you press the numeric keys. This allows you to use certain telephone services which require entering tone signals.

When you need to enter one or more tone signals, press the "✱" key and then press the appropriate numeric keys.

To change back to pulse mode, simply hang up (the dialling mode automatically changes back to the setting of Option Setting 7 when you hang up).

PBX operations

If your fax is connected to a PBX, you can use it to perform the following operations:

Note: Make sure that the correct setting is selected for Option Setting 14-4 (see Chapter 8, *Option Settings*).

- **Making enquiry calls**: During a call, you can put the other party on hold, make a further call to a third party, and then go back to your original caller.
- **Transferring calls**: You can transfer a call to another number on the same PBX without operator assistance.

Making enquiry calls

1 During the telephone conversation, press the **SEARCH/R** key. This puts the other party on hold.

2 When you hear the dial tone, dial the number of the third party for the enquiry call.

3 When you have finished the enquiry call, you will be automatically returned to the original caller as soon as the third party hangs up.

Transferring calls

1 During the telephone conversation, press the **SEARCH/R** key. This puts the other party on hold.

2 When you hear the dial tone, dial the number to which you want to transfer the call. When the other party answers, hang up, and the call will be transferred.

- If the other party does not answer, press the **SEARCH/R** key again to return to the original caller.

Chapter 6

Answering Machine Connection

Preparations

If you have connected an answering machine to your fax as described in *Connections* in Chapter 1, you can receive both voice messages and fax transmissions on the same line while you are out. To use the connection, first change the outgoing message of your answering machine, and then set the reception mode of your fax to **A.M.** when you go out.

Changing the outgoing message

The outgoing message (OGM) of your answering machine should be changed to inform callers who want to send a fax to press their Start key. For example, your message might go as follows:

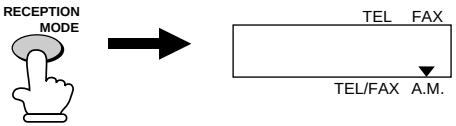
"Hello. You've reached the ABC company. No one is available to take your call right now. Please leave a message after the beep or press your facsimile Start key to send a fax. Thank you for calling."

Comments:

- It is advisable to keep the length of the message under 10 seconds. If it is too long, you may have difficulty receiving faxes sent by automatic dialling.
- Your callers can even leave a voice message and send a fax message on the same call. Modify your outgoing message to explain that they can first leave a voice message, and then press their Start key to send a fax.

Using the Connection

1 Set the reception mode of your fax to A.M. by pressing the **RECEPTION MODE** key.



2 Set your answering machine to auto answer.

- Your answering machine must be set to answer on a maximum of two rings. If not, you may not be able to receive faxes sent by automatic dialling.

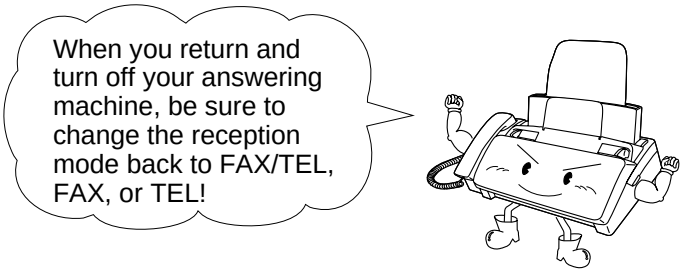
Note: If your answering machine has a remote retrieval function, make sure the code used to activate remote retrieval is different from the code used to activate fax reception with an extension telephone (see Chapter 3, *Receiving Documents*). If they are the same, entering the code from an outside telephone to retrieve messages will cause the fax machine to be activated.

How answering machine mode operates

While you are out, all of your incoming calls will be answered by the answering machine and its outgoing message will play. Voice callers can leave a message. During this time, your fax will quietly monitor the line. If your fax detects a fax tone or a duration of silence greater than four seconds, it will take over the line and begin reception.

- If the connection is not good or there is noise on the line, the answering machine and/or fax machine may not respond properly.
- The call counter on your answering machine may indicate that voice messages were received, when only fax messages were received.

Note: To prevent the fax from taking over the line and beginning reception if you call in from an external phone or answer on an extension phone, press any three keys (other than the code to activate fax reception, "**5**", "✱", and "✱") on the dial pad of the phone. This can only be performed from a phone capable of tone dialling.



Optional A.M. Connection Settings

If necessary, you can use the following settings to improve the response of the answering machine connection to incoming calls.

Quiet Detect Time

This function causes the fax machine to take over the line and begin reception if a certain duration of silence is detected after the answering machine answers.

Time selections for the period of silence are 1 to 10 seconds. Quiet Detect Time has been set to 6 seconds at the factory. This gives the best performance with most answering machines; however, you may need to adjust this setting depending on the disconnect time of your answering machine.

- Some answering machines may have unusually fast disconnect times (equal to or very slightly less than 4 seconds), which means that the answering machine may disconnect the line before fax reception can begin. In this case, try a Quiet Detect Time setting of about 3 seconds.

- If the fax machine is interrupting callers before they can leave a message, try a longer Quiet Detect Time setting. If your outgoing message includes a period of silence, make sure that the setting is longer than that period of silence, or re-record your outgoing message to shorten the silence.

To change the Quiet Detect Time setting, reset Option Setting 9 as explained in Chapter 8, *Option Settings*.

Note: Quiet Detect Time can be turned off by entering "00" for the time. Note, however, that the fax machine will not be able to receive faxes sent manually by Normal Dialling.

Select Auto Receive

When this function is turned on, your fax will answer the call after 5 rings if the answering machine for some reason fails to answer before that time. This ensures that you will receive fax messages even if the answering machine's tape fills up or the answering machine is not turned on.

This function has been turned off at the factory. If you want to turn it on, reset Option Setting 12 as explained in Chapter 8, *Option Settings*.

Note: When this function is turned on, make sure that the answering machine is set to answer on 4 rings or less. If it isn't, the fax will always answer first, preventing callers from leaving voice messages.

Quiet Detect Start Timing

This setting can be used to delay the start of the Quiet Detect Time function. For example, if you want to insert a pause at the beginning of your answering machine's outgoing message to ensure clear detection of fax signals, you can use this setting to delay the start of silence detection so that the pause will not cause the fax to take over the line.

Quiet Detect Start Timing has been turned off at the factory. If you want to use this function, turn it on by resetting Option Setting 10 to the desired delay time (1 to 15 seconds). This procedure is explained in Chapter 8, *Option Settings*. As a general guide, the delay time should be slightly longer than the pause before the outgoing message.

Off Hook Hold

This setting can be used to make the fax automatically take over the line and attempt reception after a set number of seconds.

For normal operation, we recommend that you do not turn this function on; however, if you are having trouble receiving faxes in A.M. mode, you can try various time settings to see if it helps. Turn the function on by setting Option Setting 11 to the desired number of seconds (1 to 255 seconds). This procedure is explained in Chapter 8, *Option Settings*.

Chapter 7

Special Functions

Broadcasting

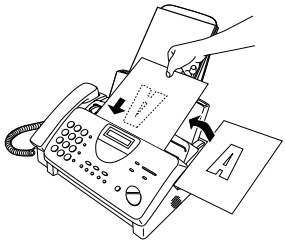
This function allows you to send the same document to as many as 20 different locations with just one operation. First store the document in memory, then enter the numbers of the receiving machines. The document will be transmitted to each location.

♦ You can only use Rapid Keys or Speed Dial numbers to dial the numbers of the receiving machines.

1 Load the document(s).

The display will show:

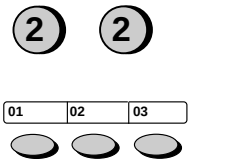
READY TO SEND



2 Press the **START/MEMORY** key and then **2**.

3 Dial the receiving machines by using one or both of the following methods. (a maximum of 20 stations can be selected).

- Enter one or more Speed Dial numbers by pressing the numeric keys.
- Press one or more Rapid Keys.

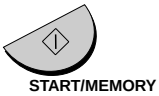


(Example)

4 Press the **START/MEMORY** key.

- Set the resolution and/or contrast if desired.

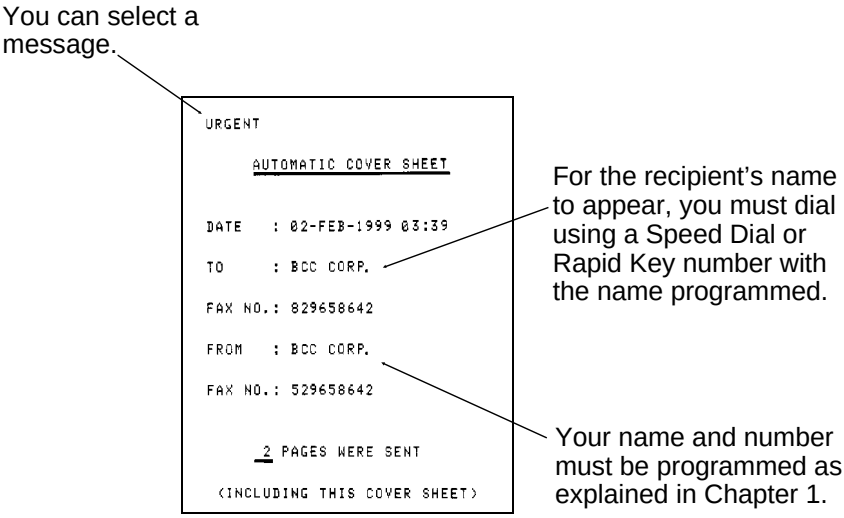
5 Press the **START/MEMORY** key. Transmission will begin.



- A Transaction Report is automatically printed out after Broadcasting is completed. Check the "Note" column of the report to see if any of the locations are marked "Busy" or have a communication error code. If so, send the document to those locations again.

Cover Sheet

You can have the fax generate a cover sheet and send it as the last page of each of your fax transmissions.


You can select a message.
URGENT
AUTOMATIC COVER SHEET
DATE : 02-FEB-1999 03:39
TO : BCC CORP.
FAX NO.: 829658642
FROM : BCC CORP.
FAX NO.: 529658642
2 PAGES WERE SENT
(INCLUDING THIS COVER SHEET)
For the recipient's name to appear, you must dial using a Speed Dial or Rapid Key number with the name programmed.
Your name and number must be programmed as explained in Chapter 1.

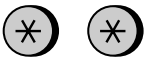
Follow the steps below to turn on the cover sheet function. Once the cover sheet function is turned on, cover sheets will be included with all tranmissions until you turn it off.

1 Press these keys:

The display will show:

OPTION SETTING

2 Press these keys:



The display will show:

COVER SHEET MODE

3 Press **1** (YES) to turn on the cover sheet function, or **2** (NO) to turn it off.

YES NO

1 or 2

The display will show:

AUTO PRINT OUT

4 Press the **STOP** key to return to the date and time display.

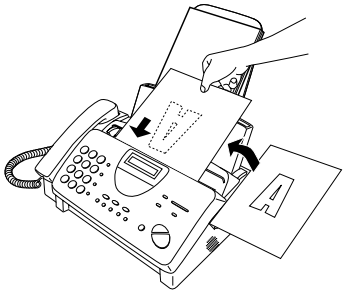
STOP

Selecting a header message (optional)

When the cover sheet function is turned on, you can also select a message which will appear as a header at the top of the cover sheet. Note that the message selection is only effective for one transmission.

1 Load the document(s).

- The document must be loaded before a message can be selected.
- The cover sheet function must be turned on.



2 Press these keys:

FUNCTION 5

The display will show:

COVER SHEET HEAD

3 Select a message by entering a number from **1** to **4**:
1: URGENT
2: IMPORTANT
3: CONFIDENTIAL
4: PLS. DISTRIBUTE

(Example)

4 Dial the receiving machine and transmit the document.

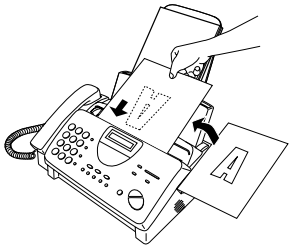
Note: To cancel a cover sheet header setting, press the **STOP** key or remove the document from the feeder.

Batch Page Numbering

You can change the page numbering of the transmitted document from simple numbering ("P.01", "P.02", etc.) to batch numbering, which means that a slash and the total number of pages being sent are added after each page number (for example, "P. 01/05", "P.02/05", etc.). This allows the receiver to check for missing pages.

1 Load the document(s).

- The document must be loaded before batch page numbering can be set.



2 Press these keys:

The display will show:

PAGE COUNTER SET

3 Enter the total number of pages ("01" to "99") by pressing the number keys.

- If you are sending a cover sheet, **do not** include it in the total number of pages (the number will be adjusted automatically).

Example:
Eight pages

4 Dial the receiving machine and transmit the document.

Comments:

- If you need to cancel a batch number entry, remove the document from the feeder or press the **STOP** key.
- If the number of pages actually transmitted does not coincide with the batch number entered, the alarm will sound and PAGE COUNT ERROR will appear in the display. PAGE E. will also appear in the NOTE column of the Transaction Report if it has been set to print out.

Blocking Reception of Unwanted Faxes

The Anti Junk Fax function allows you to block reception of faxes from parties which you specify. This saves paper by not printing out unwanted "junk" faxes.

To use this function, first turn it on by setting Option Setting 16 to YES as explained in Chapter 8, and then enter the fax numbers from which you do not want to receive faxes as shown below.

Comments:

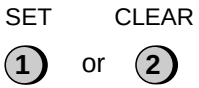
- Up to 5 numbers can be entered in the Anti Junk Number List.
- The Anti Junk function will not operate for a number which has also been stored as a Priority Call number.
- To clear a number from the Anti Junk Number List, you need to know the 1-digit number which identifies it. If you have forgotten this number, print out the Anti Junk Number List as explained in Chapter 9.

---

1 Press the keys shown at right.
JUNK FAX # MODE will appear in the display.

---

2 Press **1** to store a number in the Anti Junk Number List, or **2** to clear a number from the list.



---

3 **Storing:** Enter a 1-digit number from 1 to 5. This number identifies the fax/voice number you will store in the next step.
Clearing: Enter the number which identifies the fax/voice number you want to clear, and go to Step 5.

(Example)

4 Enter the full number you want to block (max. of 20 digits).

5 5 5 1 2 3 4

(Example)

5 Press the **START/MEMORY** key.

6 Return to Step 3 to enter (or clear) another number, or press **STOP** to exit.

Step 3 or

Sending Documents From Memory

With this function, the original document is scanned immediately, stored in memory, and then transmitted once the connection to the receiving machine is made. This is convenient when transmitting to places where the line is often busy, as it saves you from waiting to pick up the original document and frees the feeder for other operations. After transmission, the document will be cleared from memory.

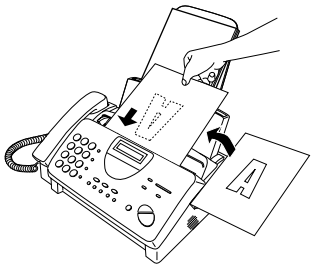
- ♦ Only one memory transmission can be set at a time.
- ♦ The amount of memory currently occupied appears as a percentage in the display while the document is being scanned.

---

1 Load the document(s).

The display will show:

READY TO SEND



- Set the resolution and/or contrast if desired.

---

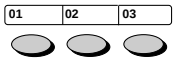
2 Press the **START/MEMORY** key and then **1**.

The display will show:

ENTER STATION #

3 Enter the number of the receiving machine using one of the following methods:

- Press a Rapid Key.
- Press the **SPEED DIAL** key and enter a Speed Dial number.
- Enter a full telephone number by pressing the number keys.



(Example)

4 Press the **START/MEMORY** key if you entered a Speed Dial number or a full number.

- The document will be scanned and stored in memory. Your fax will then dial the receiving machine and transmit the document (redialling will be done automatically if necessary).

If the memory becomes full...

If the memory becomes full while the document is being scanned, MEMORY IS FULL will appear in the display.

- Press the **START/MEMORY** key if you want to transmit the pages which have been stored up to that point in memory. The remaining pages will be ejected from the feeder. After transmission, the memory will be cleared and you can transmit the remaining pages. You will also need to transmit the page which was being scanned when the memory filled up.
- Press the **STOP** key if you want to cancel the entire transmission.

Polling (Requesting a Fax Transmission)

Polling allows you to call another fax machine and have it send a document (previously loaded in its feeder) to your machine without operator assistance. In other words, the receiving fax machine, not the transmitting fax machine, initiates the transmission. You can use your machine to both poll and be polled by others.

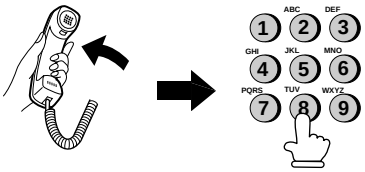
To use the polling function, you must first set Rapid Key 08/POLL for use as a polling key. This is done by changing Option Setting 17, as described in Chapter 8, *Option Settings*. (Note that when Rapid Key 08/POLL is set as a polling key, it cannot be used for Rapid Key Dialling.)

Requesting transmission

Note: Rapid Dial Keys cannot be used for polling. To dial a Rapid Dial location, press the **SPEED DIAL** key and then enter the 2-digit number corresponding to the Rapid Key.

1 Dial the fax machine you want to poll using one of the following methods:

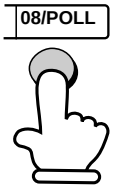
- Pick up the handset (or press the **SPEAKER** key) and dial the full number. Wait for the fax answerback tone.
- Press the **SPEED DIAL** key and enter a 2-digit Speed Dial number.
- Enter the full number using the numeric keys.



(Example)

2 Press Rapid Key 08/POLL.

- If you used the handset, replace it when POLLING appears in the display. Reception will begin.



Being polled (polling standby)

To let another fax machine poll your fax, press the **RECEPTION MODE** key to set the reception mode to FAX, load the document(s), and press Rapid Key 08/POLL. "P" will appear in the display.

Transmission will take place when the other fax machine calls your machine and activates polling. Automatic reception is possible whilst your fax is on polling standby.

Polling security

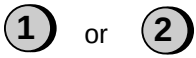
Polling Security allows you to prevent unauthorized polling of your machine. When this function is turned on, polling will only take place when the fax number of the polling fax machine has been entered in your machine's list of permitted fax numbers (called "passcode numbers"). The number of the polling fax must also be correctly programmed into itself for identification.

To use Polling Security, follow the steps below to turn the function on, and then enter permitted numbers as shown on the following page.

1 Press the keys shown at right. ENTRY MODE will appear in the display.

2 Press the # key three times. SECURITY SELECT will appear in the display.

3 Press **1** to turn polling security on, or **2** to turn it off.



4 Press the **START/MEMORY** key and then the **STOP** key.

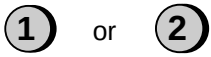
Storing and clearing fax numbers for polling permission

You can store up to 10 fax numbers in your machine's list of permitted numbers.

1 Press the keys shown at right. ENTRY MODE will appear in the display.

2 Press the **#** key four times. PASSCODE # MODE will appear in the display.

3 Press **1** to store a number, or **2** to clear a number.



4 **Storing:** Enter a 2-digit number from 01 to 10. This number identifies the fax number you will store in the next step.
Clearing: Enter the number which identifies the fax number you want to clear, and go to Step 6.

(Example)

5 Enter the fax number (max. of 20 digits).

(Example)

6 Press the **START/MEMORY** key.

7 Return to Step 4 to enter (or clear) another number, or press **STOP** to exit.

Step 4 or

Timer Operations

The Timer function allows you to set a transmission and/or polling operation to be performed automatically at a time you specify. One transmission operation and one polling operation can be set at the same time, and the times they will be performed can be specified up to 24 hours in advance.

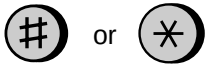
As an example, you can use this function to take advantage of off-peak telephone rates without having to be there when the operation is performed.

Note: Only a Speed Dial number can be used to dial the receiving machine.

Setting a timer operation

1 Press the keys shown at right. TIMER MODE will appear in the display.

2 Press # to set a transmission operation (SEND MODE), or ✱ to set a polling operation (POLLING MODE).



3 Press **1** to select SET.

4 Enter the time at which you want the operation to take place in 24-hour format (2 digits for the hour and 2 digits for the minute).

Example: 9:25

5 Press the **START/MEMORY** key.

6 Enter the Speed Dial number of the receiving fax machine.

- If this is a polling operation, go to Step 9.

(Example)

7 Press the **START/MEMORY** key.

8 Adjust the resolution and/or contrast if desired (skip to the next step if you don't want to change settings).

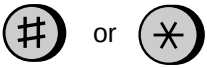
9 Press the **START/MEMORY** key and then the **STOP** key. If this is a transmission operation, load the document in the feeder sometime before the specified time of transmission.

To cancel an operation

If you need to cancel an operation after it has been set, follow the steps below.

1 Press the keys shown at right. TIMER MODE will appear in the display.

2 Press # to cancel a transmission operation, or ✱ to cancel a polling operation.



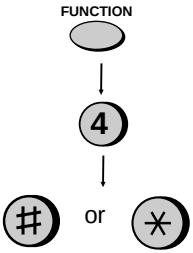
3 Press **2** to select CLEAR.

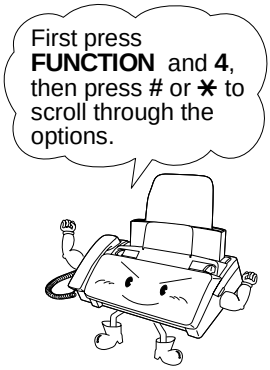
4 Press the **START/MEMORY** key and then the **STOP** key.

Chapter 8

Option Settings

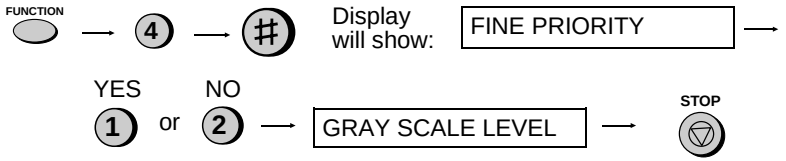
The option settings let you customise your fax to better suit your needs. An initial setting has been made for each option at the factory. You can change a setting by following the steps described for each option below.





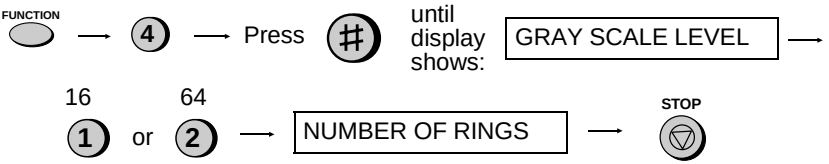
Setting 1: FINE RESOLUTION PRIORITY
This option sets the default resolution (the resolution used if a setting is not made with the **RESOLUTION** key) for transmitting documents. Press **1** (YES) to set the default resolution to FINE, or **2** (NO) to set it to STANDARD.

- Initial setting: **2**



Setting 2: GREY SCALE SETTING
This sets the grey scale used for the HALF TONE resolution setting. Press **1** for 16 levels (this gives lower quality and faster transmission) or **2** for 64 levels (this gives higher quality and slower transmission).

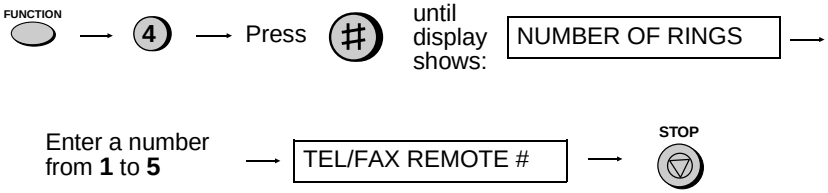
- Initial setting: **2**



Setting 3: NUMBER OF RINGS TO ANSWER
This sets the number of rings the fax machine waits before answering an incoming call in FAX and TEL/FAX reception modes. Enter any number from **1** to **5**.

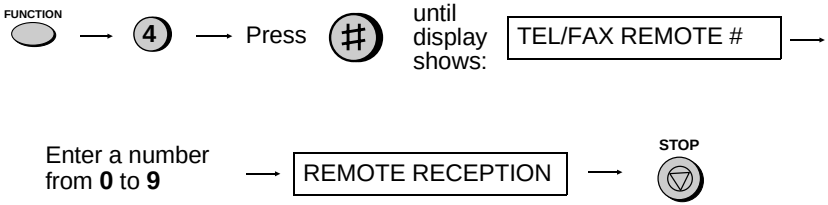
- Initial setting: **1**

Note: In some countries, the lowest possible setting is **2** and the highest is **4**.



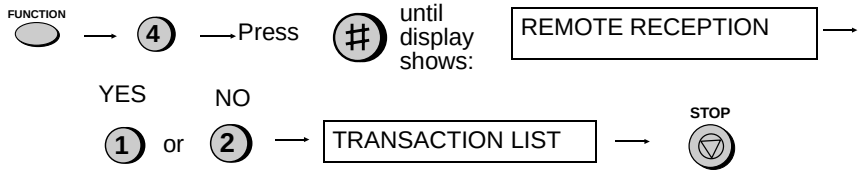
Setting 4: TEL/FAX REMOTE NUMBER (TRANSFER CODE)
If you hear a fax tone when you answer a call on a tone dial extension phone connected to the same line as the fax, you can make the fax begin reception by pressing **5**, ✱, and ✱ on the phone. Use this setting if you want to use a number other than **5** to begin fax reception. You can enter any number from **0** to **9**.

- Initial setting: **5**



Setting 5: REMOTE RECEPTION SELECT
If you don't intend to use the above TEL/FAX REMOTE NUMBER, you can turn detection of the number off. This will ensure that the fax never mistakenly attempts to begin reception if it detects a signal similar to the TEL/FAX REMOTE NUMBER while you are talking on an extension phone. Press **1** to turn detection on, or **2** to turn detection off.

- Initial setting: **1**



Setting 6: TRANSACTION REPORT PRINT SELECT
This sets the condition for printing out a Transaction Report. Enter a number from **1** to **5** as follows:

1 (ALWAYS PRINT): A report will be printed after each transmission, reception, or error.

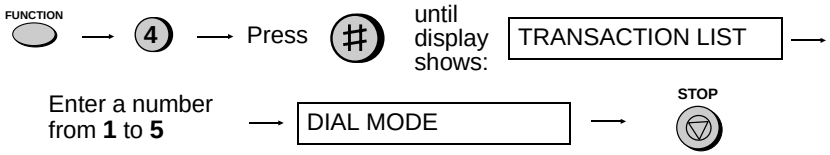
2 (ERR/TIMER/MEM): A report will be printed after an error, timer operation, or memory operation.

3 (SEND ONLY): A report will be printed only after a transmission.

4 (ERROR ONLY): A report will be printed only after an error occurs.

5 (NEVER PRINT): A report will never be printed.

- Initial setting: **4**



Setting 7: DIAL MODE
This sets the mode of dialling. Press **1** if you are on a tone dial line, or **2** if you are on a pulse dial line.

- Initial setting: **1**

Note: In some countries, the lowest possible setting is **2**.

Setting 8: PSEUDO RINGING DURATION
This sets the duration of pseudo ringing when the reception mode is set to TEL/FAX. Enter a number from **1** to **4** as follows:

1 (15 SEC.): 15 seconds

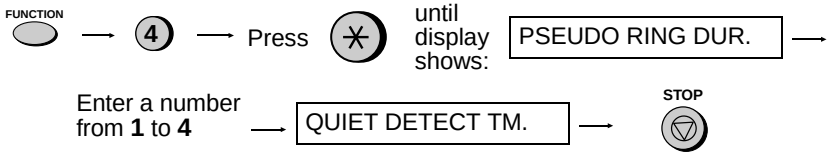
2 (30 SEC.): 30 seconds

3 (60 SEC.): 60 seconds

4 (120 SEC.): 120 seconds

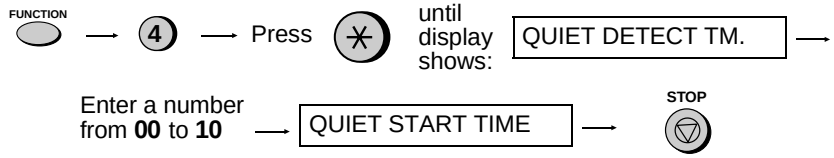
- Initial setting: **1**

Note: This setting is not available in some countries.



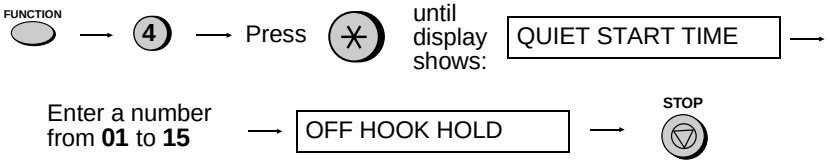
Setting 9: QUIET DETECT TIME
When an answering machine is connected to the fax, the fax will take over the line and begin reception if it detects a certain duration of silence after the answering machine answers a call. This sets the duration of silence (in seconds). Enter a number from **01** to **10**, or enter **00** to turn off the function.

- Initial setting: **06**



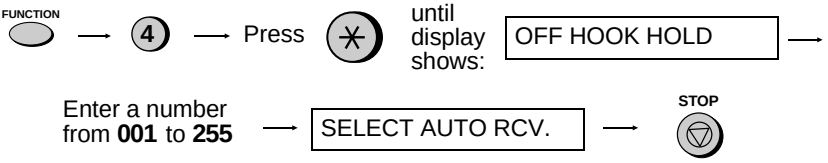
Setting 10: QUIET DETECT START TIMING
This setting can be used to delay the start of the Quiet Detect Time function used for an answering machine connection. Enter a 2-digit number equal to the desired number of seconds of the delay (01 to 15), or enter 00 for no delay. (See Chapter 6 for more details.)

- Initial setting: **00**



Setting 11: OFF HOOK HOLD TIME
This setting can be used to make the fax automatically take over the line a set number of seconds after an answering machine connected to the fax answers. Set the number of seconds by entering a 3-digit number (**001** to **255**), or enter **000** to turn off the function. (See Chapter 6 for more details.)

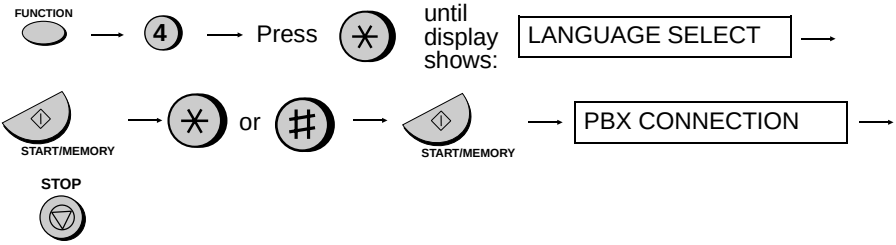
- Initial setting: **000**



Setting 12: SELECT AUTO RECEIVE
Press **1** to have the fax answer a call if an answering machine connected to the fax does not answer within 5 rings. Press **2** to turn the function off. (See Chapter 6 for more details.)

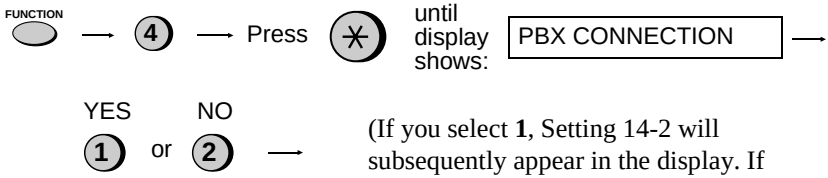
- Initial setting: **2**

Setting 13: LANGUAGE SELECT
This sets the language used in display messages, reports, and lists. Press the **START/MEMORY** key, the **#** key or the ✱ key one or more times until the desired language appears in the display, and then the **START/MEMORY** key again.



Setting 14-1: PBX CONNECTION
Press **1** (YES) if the machine is connected to a PBX. Press **2** (NO) if it is connected to a regular public line.

- Initial setting: **2**



(If you select **1**, Setting 14-2 will subsequently appear in the display. If you select **2**, Setting 14-4 will appear.)

Setting 14-2: PBX SELECT
This sets the mode used for connecting calls from a PBX to an outside line. Refer to your PBX manual or consult your supplier for the correct setting. Make the selection by entering a number from **1** to **3** as follows:

1: Earth

2: Flash

3: ID

- Initial setting: **3**

(If you select **3**, Setting 14-3 will subsequently appear in the display. If you select **1** or **2**, Setting 14-4 will appear.)

Setting 14-3: PBX ID NO.
If you set Option Setting 14-2 to **3** (PBX ID digit mode), use this setting to enter your PBX ID number (maximum of 3 digits). Press the **START/MEMORY** key when finished.

- Initial Setting: **0**
  (Note: The ID number is automatically dialled for access to the public line when Rapid Key or Speed Dialling is used. Do not store it as part of the number when storing a Rapid Key or Speed Dialling number.)

Setting 14-4: REGISTER RECALL
This sets the recall mode used for special functions of some PTT's (e.g. Germany, Sweden), as well as transferring calls on a PBX. Refer to your PBX manual or consult your supplier for the correct setting. Make the selection by entering a number from **1** to **3** as follows:

1: Earth

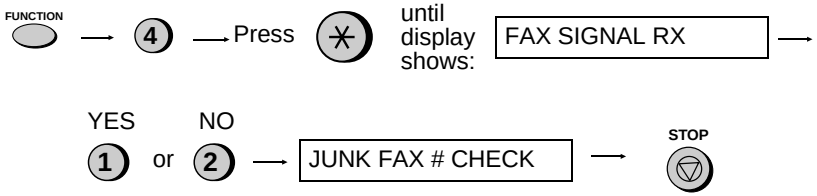
2: Flash

3: No operation

- Initial setting: **2**

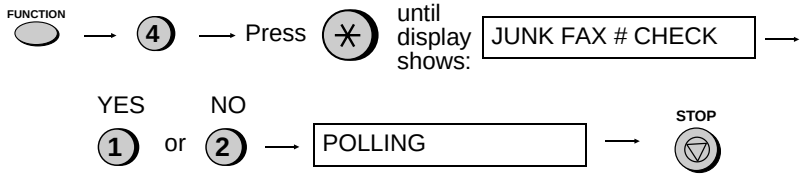
Setting 15: FAX SIGNAL RECEIVE
Your fax will automatically begin reception if you hear a high-pitched fax tone after answering a call. If you use a computer fax modem on the same line, you must turn this function off in order to prevent your fax from mistakenly attempting to receive documents sent from the computer fax modem. Press **1** to turn the function on, or **2** to turn it off.

- Initial setting: **1**



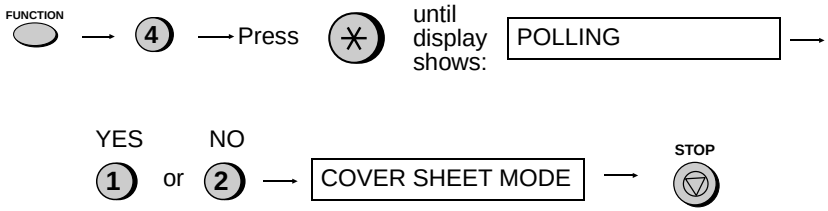
Setting 16: JUNK FAX NUMBER CHECK
Press **1** to prevent reception from fax numbers entered in the Anti Junk Fax List. Press **2** to allow reception from all numbers.

- Initial setting: **2**



Setting 17: POLLING
Press **1** if you want to use Rapid Key 08/POLL as a polling key. Press **2** if you want to use it as a regular Rapid Key.

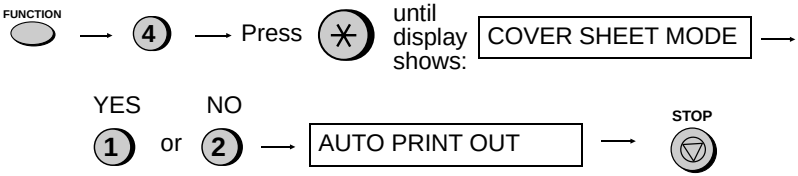
- Initial setting: **2**



Setting 18: AUTO COVER SHEET

Press **1** (YES) to have the fax automatically generate a cover sheet and send it as the last page of each transmission. Press **2** (NO) to turn the function off.

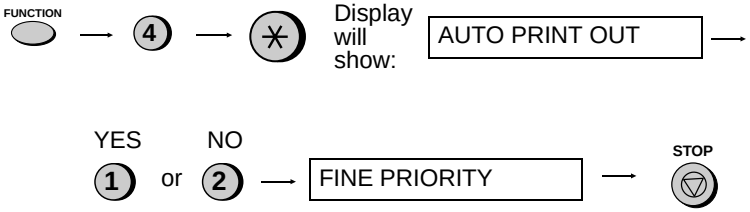
- Initial setting: **2**



Setting 19: ACTIVITY REPORT AUTO PRINT OUT

Press **1** to have your fax automatically print out an Activity Report once every 30 operations. (The list can still be printed out on demand when desired.) Press **2** to turn automatic print-out off.

- Initial setting: **2**



Chapter 9 Printing Reports and Lists

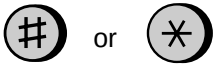
You can print out lists showing settings and information entered in the fax. You can also have the fax automatically print out a report on transactions after they are made. The lists and the report are described below.

Printing a list

1 Press these keys:

The display will show: LISTING MODE

2 Press the # key or the ✳ key until the desired list appears in the display.



3 Press the **START/MEMORY** key.

Activity Report

This report shows information on your most recently performed send and receive operations (a combined maximum of 30 operations can appear). The report is divided into two parts: the TRANSMISSIONS ACTIVITY REPORT, which shows information on transmissions, and the RECEPTIONS ACTIVITY REPORT, which shows information on receptions.

- If Option Setting 19 (Auto Print Out) is set to YES, a report will be automatically printed out whenever information on 30 operations has accumulated. (A report can still be printed on demand at any time.)
- All information is erased after a report is printed out. If automatic print-out is disabled and print-out has not been performed manually for 30 operations, the information on the oldest operation will be overwritten each time a new operation is performed.

Explanation of headings

SENDER/ RECEIVER The fax number of the other machine involved in the transaction. In the case of a transmission, the number dialled appears. In the case of a reception, the programmed ID of the sending machine appears. If this machine does not have an ID function, the communication mode will appear (for example, "G3").

PAGES Number of pages transmitted or received.

NOTE **OK** - Transmission/reception was normal.

P.FAIL - A power failure occurred. If you have power and the problem persists, try a different outlet. If necessary, have an electrician check your power lines.

JAM - A problem with the paper or original document occurred. Make sure the paper or document is loaded properly. Make sure the operation panel is shut securely.

NO PAPER - You ran out of paper during reception.

COM.E-0 to **COM.E-7** - A telephone line error prevented the transaction. See *Line Error* in Chapter 11.

CANCEL - Transmission was cancelled because the **STOP** key was pressed, no document was in the feeder, or the other machine requested transmission using a function which your fax does not have. If you were attempting to fax, make sure a document is in the feeder. If you were receiving, contact the faxing party to see how they are trying to send to you.

Timer List

This list shows the timer operations which are currently set.

Telephone Number List

This list shows the fax and voice numbers which have been stored for automatic dialling.

Passcode List

This list shows settings made for polling security, your name and fax/telephone number as entered in the machine, and a sample of the header printed at the top of every page you transmit (**HEADER PRINT**).

Option Setting List

This list shows the current status of the option settings.

Anti Junk Fax Number List

This list shows the numbers that are blocked by the Anti Junk function.

Print Setup List

This list shows the current status of the printing settings accessed by pressing the **FUNCTION** key and the **6** key.

Transaction Report

This report is printed out automatically after an operation is completed to allow you to check the result. Your fax is set at the factory to print out the report only when an error occurs. If desired, you can change the setting to have it printed out under a variety of other conditions. This is done by changing Option Setting 6 (Transaction Report Print Select) as described in Chapter 8.

- The same headings appear in the Transaction Report as in the Activity Report. See *Activity Report* in this chapter for an explanation of the headings.
- The Transaction report cannot be printed out manually.

Help List

This list provides a brief guide to the operation of the machine.

- Press the **COPY/HELP** key whilst no document is loaded in the feeder to print this list.

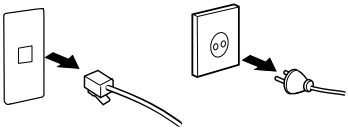
Chapter 10

Maintenance

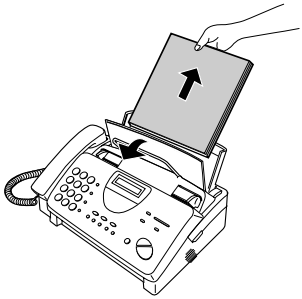
Fax print head

Clean the printing head frequently to assure optimum printing performance.

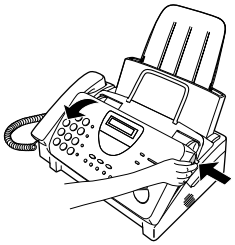
1 First unplug the telephone line, then unplug the power cord.

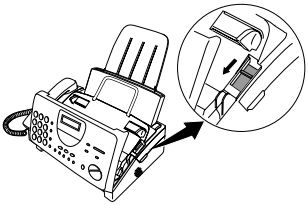


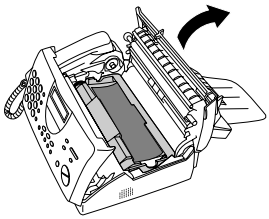
2 Pull the paper release plate forward and remove the paper.



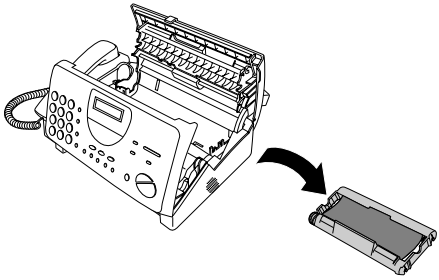
3 Open the operation panel (grasp the finger hold and pull up), and then pull the release on the right side of the machine forward to open the print compartment cover.



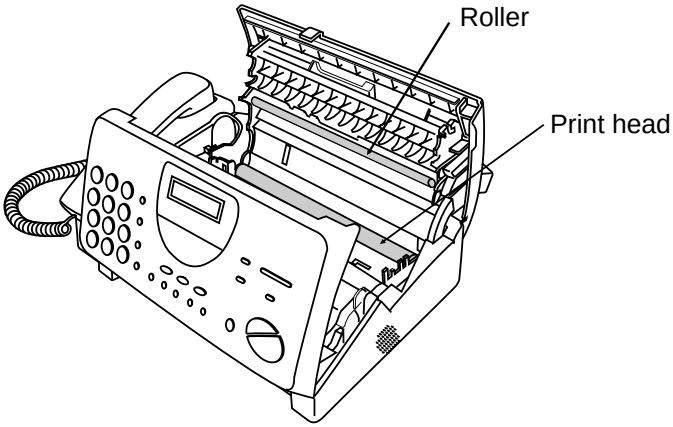




4 Take the imaging film cartridge out of the print compartment and place it on a sheet of paper.



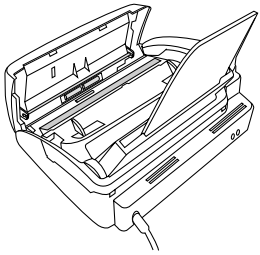
5 Wipe the print head and roller with isopropyl alcohol.



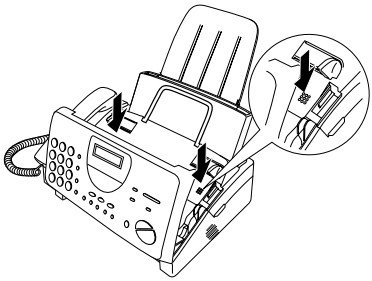
Caution!

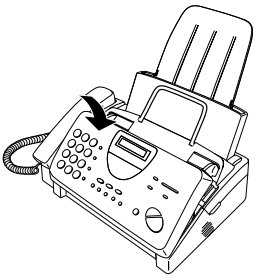
- Do not use benzene or thinner. Avoid touching the print head with hard objects.
- The print head may be hot if your fax machine has just received a large number of documents. If this is the case, allow the print head to cool prior to cleaning.

6 Place the imaging film cartridge back in the print compartment.

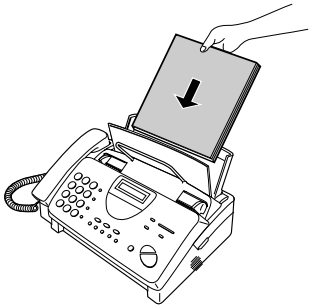


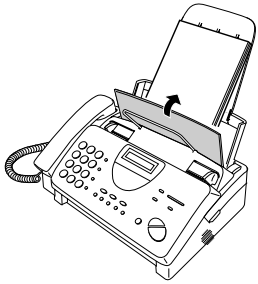
7 Close the print compartment cover (press down on both sides to make sure it clicks into place), and then close the operation panel.





8 Reinsert the paper in the paper tray and push the paper release plate back down.

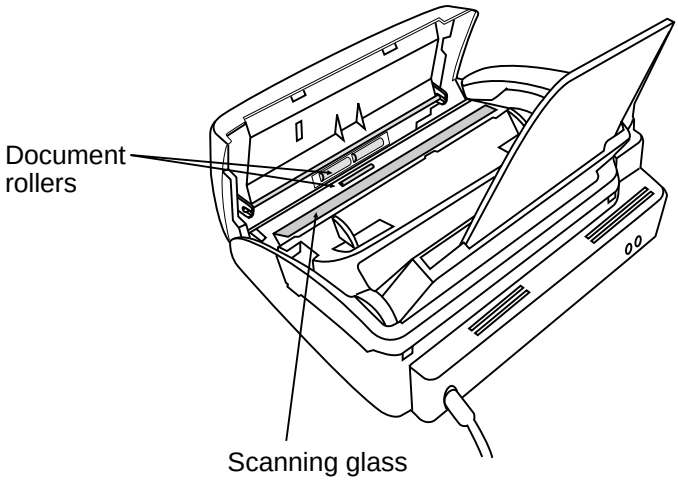




Scanning glass and rollers

Clean the scanning glass and rollers frequently to ensure the quality of transmitted images and copies. Open the operation panel (grasp the finger hold and pull up), and wipe the scanning glass and rollers with a soft cloth.

- Make sure that all dirt and stains (such as correcting fluid) are removed, as dirt and stains will cause vertical lines on transmitted images and copies.
- Adhesive cellophane tape is useful for removal of debris from the rollers.



Caution: When wiping, take care not to damage any of the protruding parts on the underside of the operation panel.

The housing

Wipe the external parts and surface of the machine with a dry cloth.

Caution!

- Do not use benzene or thinner. These solvents may damage or discolour the machine.

Chapter 11

Troubleshooting

Problems and Solutions

Answering machine connection

Problem	Check and remedy
The answering machine connection does not operate properly.	• Make sure your fax machine's reception mode is set to A.M. • Make sure your fax machine's **TEL. LINE** socket is connected to the wall socket. Make sure your fax machine's **TEL. SET** socket is connected to your answering machine's telephone line socket (not the answering machine's extension phone socket). • Make sure your answering machine's outgoing message is under 10 seconds. • Make sure that Option Setting 9 (Quiet Detect Time) is set to three or four seconds (see Chapter 8).

Line error

Problem	Check and remedy
LINE ERROR appears in the display and/or a transaction report is printed out with **COM. E-** and a number from **0** to **1, 2, 3, 4, 5, 6,** or **7** in the **NOTE** column.	• Try the transaction again. If the error persists, check the following: • Check the connection. The cord from the **TEL. LINE** socket to the wall socket should be no longer than two meters. • Make sure there are no modem devices sharing the same telephone line. • Check with the other party to make sure their fax machine is functioning properly. • Have your telephone line checked for line noise. • Try connecting your fax to a different telephone line. • If the problem still occurs, your fax machine may need service.

Dialing and transmission problems

Problem	Check and remedy
No dial tone when you pick up the handset or press the **SPEAKER** key.	• Make sure the handset cord is connected to the correct socket. See *Handset* in *Connections* in Chapter 1.
Dialling is not possible.	• Make sure the power cord is properly plugged into a power outlet. • Make sure that the telephone line is properly connected to both the **TEL. LINE** socket and the wall socket.

	• Make sure that the fax is set to the correct dialling mode for your telephone line. See Option Setting 7 in Chapter 8.
The power is on, but no transmission takes place.	• Make sure that the receiving machine has fax paper. • Make sure that the telephone line cord is plugged into the **TEL. LINE** socket, and not the **TEL. SET** socket. • If the receiving machine is in manual mode with no attendant, reception will not be possible. • If the receiving machine is not a Sharp model, make sure it is G3 compatible. • Check the display for error messages. • Pick up the handset and check for a dial tone. Call the receiving machine by normal (manual) dialling, and confirm its response.
Nothing is printed at the receiving end.	• Make sure that the document for transmission is placed face down in the feeder.
A distorted image is received at the other end.	• Noise on the telephone line may cause distortion. Try sending the document again. • Make a copy of the document on your fax. If the copy is also distorted, your fax may have a problem. If the problem persists, call for service.

Reception and copying problems

Problem	Check and remedy
The power is on, but no reception takes place.	• Make sure the wall socket is connected to the **TEL. LINE** socket, and **not** the **TEL. SET** socket.
The printing paper comes out blank when you try to receive a document.	• Make sure that the document is loaded properly in the feeder of the transmitting machine. Make a copy to confirm the printing ability of your machine.

General print quality is poor.	• It is important to select a paper that is appropriate for the thermal transfer printer in your fax. We recommend using laser quality paper that has a very smooth finish. Copier paper will work, but it sometimes tends to yield a lighter print quality.
The received document is faint.	• Ask the other party to send higher contrast documents. If the contrast is still too low, your fax may have a problem. Make a copy to check it.
Received images are distorted.	• Noise on the telephone line may cause distortion. Have the other party try sending the document again. • The print head may be dirty. See *Fax print head* in Chapter 10. • Make a copy of another document on your fax. If the copy is also distorted, your fax may have a problem. If the problem persists, call for service.
The quality of copies is poor and/or black spots appear.	• Any dirt or material on the scanning glass will cause spots to appear on copies and transmitted faxes. Clean the fax print head and the scanning glass as explained in Chapter 10.
Reception/copying is interrupted.	• If reception or copying takes place continuously for a long time, the print head may overheat. Turn off the power and let it cool down.
A received document or copy prints out in strips.	• Make sure the operation panel and the printer compartment cover under the operation panel are completely closed (press down on both sides of each). (To close the printer compartment cover, grasp the top of the operation panel and pull to open it, and then press down on both sides of the printer compartment cover.)

General problems

Problem	Check and remedy
Information cannot be programmed in the fax.	● Make sure the fax is plugged in and the imaging film and paper have been loaded. (Programming is not possible if the imaging film and printing paper have not been loaded.) See *Loading the Imaging Film* and *Loading Printing Paper* in Chapter 1.
Nothing appears in the display.	● Make sure the power cord is properly plugged into a power outlet. ● Connect another electrical appliance to the outlet to confirm that it has power.
The machine does not respond when you press any of its keys.	● If a beep sound is not made when you press the keys, unplug the power cord and then plug it back in several seconds later.
Automatic document feeding does not work for transmission or copying.	● Check the size and weight of the document (see *Transmittable documents* in Chapter 2).
Voice calls taken on an extension phone are interrupted by the fax.	● The fax may interrupt during a voice call if the reception mode is set to A.M. To prevent interruption on a tone dial extension phone, press any three keys on the extension phone after answering. (Note: Do not enter the code to activate fax reception.)
No reception occurs when polling is attempted.	● Make sure you have not run out of paper. ● Make sure the transmitting machine is in automatic reception mode. ● If the transmitting machine has polling security, make sure that your fax number has been entered both in your machine and in the transmitting machine.

Messages and Signals

Display messages

COVER OPEN	The print compartment cover (under the operation panel) is open. Open the operation panel (grasp the top and pull toward you), and then press down firmly on both sides of the print compartment cover to close it.
DOCUMENT JAMMED	The original document is jammed. See the following section, *Clearing Paper Jams*.
FAX RX IN MEMORY	A fax has been received in memory because the imaging film needs replacement, you have run out of printing paper, or the paper is jammed. The fax will print out automatically when the problem is fixed.
FILM END	The imaging film may need replacement. Check the film and replace if necessary.
FUNCTION MODE	The **FUNCTION** key has been pressed.
E	Transmission or reception was not successful. Press **STOP** to clear the message, and then try again. If the error persists, see *Line Error* in *Problems and Solutions* in this chapter.

MEMORY IS FULL	The memory is full. This may occur during fax reception if too much data is received before the pages can be printed out. If faxes have been received to memory because printing is not possible (an additional message will indicate the problem), resolve the problem so that printing can continue (see *Substitue Reception to Memory* in Chapter 3). If you are attempting to transmit from memory, see *Sending Documents from Memory* in Chapter 7.
MEMORY PRINTING	The fax is preparing or printing out a document from memory.
NO DATA	This appears if you attempt to search for an automatic dialling number when none have been stored.
NO # STORED	You have tried to dial or clear a Rapid Key or Speed Dial number that hasn't been programmed (a full number hasn't been assigned to it).
OUT OF PAPER	You are out of printing paper (or the paper release plate is open). Load paper as described in *Loading Printing Paper* in Chapter 1.
ON HOOK DIAL	The **SPEAKER** key has been pressed and the fax is waiting for you to dial. (To return to the date and time display, press the **SPEAKER** key again.)
OVER HEAT	The print head has overheated. Operation may be continued once it cools.
PAPER JAMMED	The printing paper is jammed. See the following section, *Clearing Paper Jams*.
READY TO SEND	A document has been loaded and the fax is waiting for transmission or copying instructions.
RECALLING	This appears if you attempt to send a fax by automatic dialling and the line is busy or the receiving fax machine does not answer. Your fax machine will automatically reattempt the call. (See *Automatic Redialling* in *Sending a Fax by Automatic Dialling* in Chapter 2.)

SEARCH DIAL	The **SEARCH/R** key has been pressed. Press # or ✱ to search for an automatic dialling number, or press **STOP** to return to the data and time display. (See *Using the **SEARCH/R** key* in *Sending a Fax by Automatic Dialling* in Chapter 2.)
TOTAL PAGE(S) 01	Number of pages transmitted, received, or copied.

Audible signals

Continuous tone	1 seconds	Indicates the end of transmission, reception, or copying.
	3 seconds	Indicates incomplete transmission, reception, or copying.
Rapid intermittent tone	35 seconds (0.7 seconds on, 0.3 seconds off)	Indicates that the handset is off hook.

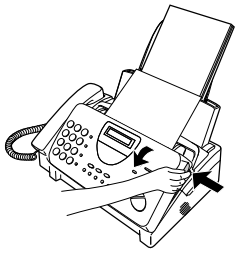
Clearing Paper Jams

Clearing a jammed document

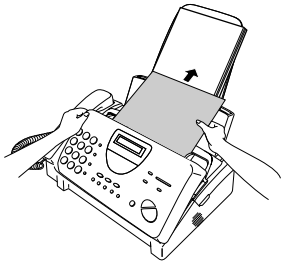
If the original document doesn't feed properly during transmission or copying, or DOCUMENT JAMMED appears in the display, first try pressing the **START/MEMORY** key. If it doesn't feed out, remove it as follows:

Important:
Do not try to remove a document without opening the operation panel. This may damage the feeder mechanism.

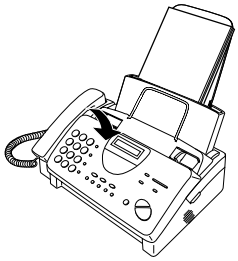
1 Open the operation panel by grasping the finger hold and pulling up.



2 Remove the document.



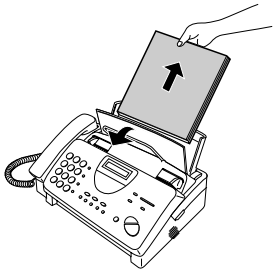
3 Close the operation panel, making sure it clicks into place.



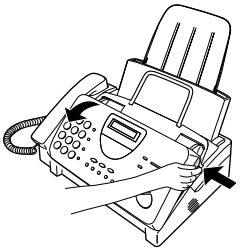
Click!

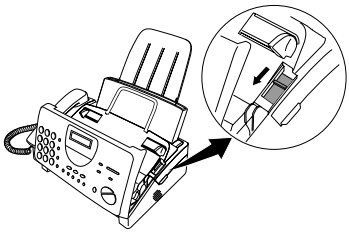
Clearing jammed printing paper

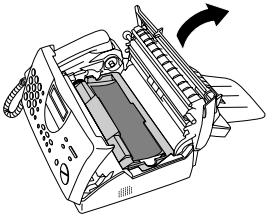
1 Pull the paper release plate forward and remove the paper.



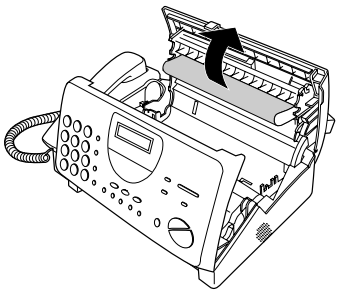
2 Open the operation panel (grasp the finger hold and pull up), and then pull the release on the right side of the machine forward to open the print compartment cover.



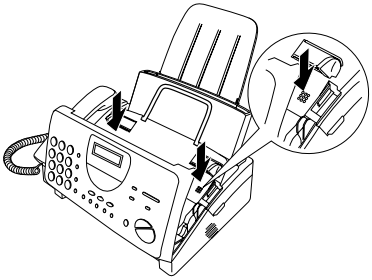


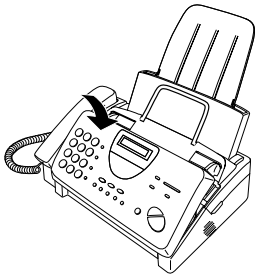


3 Gently pull the jammed paper out of the machine, making sure no torn pieces of paper remain in the print compartment or rollers.

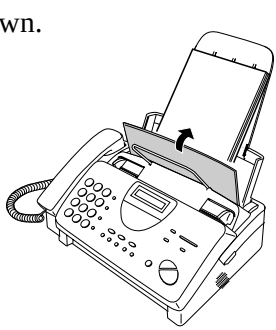


4 Close the print compartment cover (press down on both sides to make sure it clicks into place), and then close the operation panel.





5 Replace the paper in the paper tray and push the paper release plate back down.



Specifications

Automatic dialling	Rapid Key Dialling: 8 numbers Speed Dialling: 80 numbers
Imaging film	Initial starter film (included with fax machine): 10 m roll (approx. 30 A4 pages) Replacement film: **FO-3CR (UX-3CR)** 30 m roll (two rolls in package, one roll yields approx. 95 A4 pages)
Automatic document feeder	10 sheets max.
Memory size*:	512 KB (approx. 30 average pages)
Modem speed	9600 bps with automatic fallback to 7200, 4800, or 2400 bps
Transmission time*	Approx. 15 seconds (Sharp special mode)
Display	16-digit LCD display
Reception modes	FAX, TEL, TEL/FAX, A.M.
Resolution	**Horizontal:** 8 lines/mm **Vertical:** Standard: 3.85 lines/mm Fine/Halftone: 7.7 lines/mm Super fine: 15.4 lines/mm
Recording system	Thermal transfer recording
Halftone (greyscale)	64 levels
Applicable telephone line	Public switched telephone network / PBX
Compatibility	ITU-T (CCITT) G3 mode
Configuration	Half-duplex, desktop transceiver

Note: The facsimile machine is Year 2000 compliant.

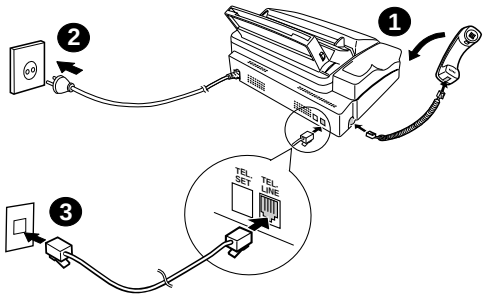
* Based on ITU-T Test Chart #1 at standard resolution in Sharp special mode, excluding time for protocol signals (i.e., ITU-T phase C time only).

Compression scheme	MH, MR, Sharp
Scanning method	Sheet-feeder CIS (Contact Image Sensor)
Effective printing width	204 mm max.
Input document size	**Automatic feeding:** Width: 148 to 210 mm Length: 140 to 297 mm **Manual feeding:** Width: 148 to 210 mm Length: 140 to 600 mm
Effective scanning width	210 mm max.
Contrast control	Automatic/Dark selectable
Copy function	Single/Multi-copy/Sort-copy (99 copies/page)
Telephone function	Standard (Cannot be used for incoming/outgoing if power fails)
Power requirements	220 - 230 V AC, 50 Hz
Operating temperature	5 to 35°C
Humidity	Maximum: 85 %
Power consumption	Stand-by: 2.3 W Maximum: 115 W
Dimensions	Width: 343 mm Depth: 313 mm Height: 312 mm
Weight	Approx. 3.4 kg

As a part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

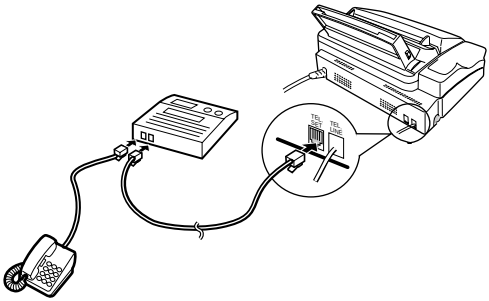
QUICK REFERENCE GUIDE

INSTALLATION



1. Connect the handset as shown.
2. Plug the power cord into an earthed, 220-230 V outlet.
3. Plug one end of the telephone line into the **TEL. LINE** socket on the rear of the fax, and the other end into your telephone wall socket.

Connecting an answering machine and/or extension telephone



1. Remove the seal covering the **TEL. SET** socket on the rear of the fax. Connect an extension telephone or answering machine to the **TEL. SET** socket.
2. If desired, connect an extension phone to the answering machine.

ENTERING YOUR NAME AND NUMBER

Note: Imaging film and paper must be loaded to perform the following operation.

1. Press: FUNCTION (3) (#) (#)

   Display shows: OWN NUMBER SET

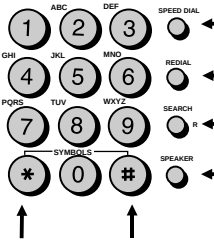
2. Press: START/MEMORY
3. Enter your fax number (max. of 20 digits) by pressing the number keys.

♦ If you make a mistake, press the **SEARCH/R** key to move the cursor back to the mistake, then enter the correct number or letter.

4. Press: START/MEMORY
5. Enter your name by pressing the appropriate number keys as shown below.

♦ To enter two letters in succession that require the same key, press the **SPEAKER** key after entering the first letter.

A = 2 2	J = 5 5	S = 7 7 7 7 7
B = 2 2 2	K = 5 5 5	T = 8 8
C = 2 2 2 2	L = 5 5 5 5	U = 8 8 8
D = 3 3	M = 6 6	V = 8 8 8 8
E = 3 3 3	N = 6 6 6	W = 9 9
F = 3 3 3 3	O = 6 6 6 6	X = 9 9 9
G = 4 4	P = 7 7	Y = 9 9 9 9
H = 4 4 4	Q = 7 7 7	Z = 9 9 9 9 9
I = 4 4 4 4	R = 7 7 7 7	SPACE = 1 1



Deletes highlighted letter.

Upper/lower case shift key.

Moves cursor to the left.

Moves cursor to the right.

Press either key one or more times to select and enter a symbol.

6. When finished, press: START/MEMORY STOP

SETTING THE DATE AND TIME

Note: Imaging film and paper must be loaded to perform the following operation.

Press: FUNCTION 3 ✳ ✳

Display shows: DATE & TIME SET

Press the **START/MEMORY** key: START/MEMORY

Enter two digits for the Day (01 through 31).
Enter two digits for the Month (01 through 12).
Enter four digits for the Year (Ex: 1999).
Enter two digits for the Hour (00 through 23).
Enter two digits for the Minute (00 through 59).
When finished, press: START/MEMORY STOP

STORING AND CLEARING NUMBERS FOR AUTO DIALING

Note: Imaging film and paper must be loaded to perform the following operation.

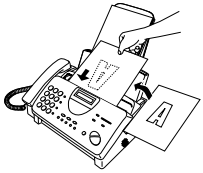
1. Press: FUNCTION 3 #

   Display shows: FAX/TEL # MODE

2. Press **1** to store a number or **2** to clear a number.
3. Enter a 2-digit Speed Dial number (from 01 to 08 for Rapid Key Dialling, or 09 to 88 for Speed Dialling). (If you are clearing a number, go to Step 7.
4. Enter the full telephone/fax number.
5. Press: START/MEMORY
6. Enter the name of the location by pressing number keys (max. of 20 characters). (Refer to the letter entry table in ENTERING YOUR NAME AND NUMBER.)
7. Press: START/MEMORY STOP

SENDING DOCUMENTS

Place your document (up to 10 pages) face down in the document feeder.



Normal Dialling

1. Lift the handset or press SPEAKER
2. Dial the fax number.
3. Wait for the reception tone (if a person answers, ask them to press their Start key)
4. Press: START/MEMORY

Rapid Key Dialling

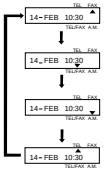
Press the appropriate Rapid Key. Transmission will begin automatically.

Speed Dialling

1. Press: SPEED DIAL
2. Enter 2-digit Speed Dial number.
3. Press: START/MEMORY

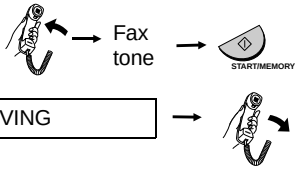
RECEIVING DOCUMENTS

Press: RECEPTION MODE



FAX mode: The fax automatically answers on 1 or 2 rings and receives the incoming document.

TEL mode:



TEL/FAX mode:
The fax machine automatically answers on 1 or 2 rings and receives faxes. Voice calls (including manually dialled fax transmissions) are signalled by a special ringing sound.

A.M. mode: Select this mode when an answering machine is connected to the fax and the answering machine is turned on.

SHARP®

SHARP CORPORATION

PRINTED IN SPAIN
(TINSE3978FFZZ)